MANUFACTURERS RECORD





THE OCCASION was the dedication of the new Cities Service \$42,000,000 lubricating oil plant at Lake Charles, Louisiana. Several thousand visitors were present, including representatives of state and local government, of business and industry, of civic organizations, and members of the Interstate Oil Compact Commission.

They had been told, in simple terms, how this most modern lubricating oil plant, with its production of six thousand barrels of lubricating oil base stocks daily, would meet the needs of modern motors and machines for lubricants to withstand high temperatures, high speeds, and great stresses. They were told how, without subsidy of any kind, this plant was placed on stream by private enterprise.

"In no other country of the world today," declared one speaker, "can you find the combination of managerial know-how, skilled labor, and free capital to bring such a plant into being. Even if this combination were found, in no other country could you find the faith and confidence in its political future which would provide the courage necessary to build a facility of this magnitude."

RETURNING to his office, an editorial writer of The Shreveport Times took that as the topic for his lead editorial. "In No Other Country..." he captioned it, and he went on to contrast this achievement with the failures and futilities of regimented nations whose people have surrendered personal freedom and private initiative. Then he referred again to what he had just seen at the new Cit-Con plant.

"That's the kind of planning," he concluded, "that will bring 'the better life'."

Naturally we in Cities Service are proud of this plant, and prouder still that it can serve as an example of the kind of achievement inspired and made possible by the American way of life.

Yes, truly: "In no other country..."



... THE PORT OF MOBILE...

OFFERS

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Competitive Rates and Services Via

OCEAN, INTRA-COASTAL CANAL, RIVER, RAIL, HIGHWAY, AIR

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... Hydro-Electric Power
... Pure Water in Great Supply
... Favorable Climate
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SUITABLE SITES
And

COMPLETE COMMUNITY COOPERATION
Make Mobile A Desirable Location For
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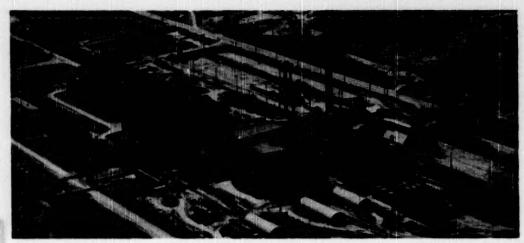
Write One of the Following:

City of Mobile

Mobile County Board of Revenue & Road Commissioners

Mobile Chamber of Commerce

Mobile, Alabama



J. E. Sirrine Company, Engineers

Coosa River Newsprint Mill

at Coosa Pines, Alabama

Other Daniel Projects in Alabama

- \$1,000,000 addition
 Birmingham News AgeHerald
- 2. \$12,000,000 rayon plant for Beaunit Mills, Inc. at Coosa Pines, Ala.
- \$6,000,000 office building for Flintridge Corporation, Fairfield, Ala.
- 4. \$3,000,000 wire and cable plant for Reynolds Alloys Co., Listerhill, Alabama

The new 32 million dollar Coosa River Newsprint Company mill at Coosa Pines, Alabama, is the South's second newsprint mill. It stands as a monument to the achievements of Alabama's civic leaders.

Its completion brings to Alabama not only a substantial new payroll for the mill workers, but it creates a market for pulpwood from several bundred thousand acres. Its impact will be felt on the economy of the entire state.

In addition to producing 300 tons of newsprint daily, this plant is equipped to turn out 146 tons of dried bleached kraft and 74 tons of semi-bleached kraft.

It is with pride that we point to the part Daniel Construction Company took in building and equipping this new plant. This organization was selected for the difficult job of erecting the buildings and installing equipment jointly with F. H. McGraw and Company.



DANIEL CONSTRUCTION COMPANY

GREENVILLE, SOUTH CAROLINA . . . BIRMINGHAM, ALABAMA

MANUFACTURERS RECORD FOR

MANUFACTURERS RECORD

ESTABLISHED 1882

Devoted to the Industrial Development of the South and Southwest



Volume 119 March 1950 Number 3 EDITORIALS Little Grains of Sand Scared 1950 Blue Book Points Way to Sales FEATURE ARTICLES Middle South Area Records Rapid Growth 57 By Sidney Fish Coosa Mill Means More Than Newsprint South's Construction Totals for February By S. A. Lauver The Alabama Story Resources Map 72 Markets ... Manufacturing Agriculture ... Agriculture
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This Month

CORRECTION

Port of Jacksonville

Along with the inevitable regret occasioned by making errors, there sometimes comes other satisfactions that go a great way toward mitigating the regret.

A point at hand is a recent typographical oversight in an article in the Recent.

In a summary of Southern foreign trade, the Port of Jacksonville was omitted from among Florida's commercial harbors, even though the tonnage of this port was included in the state's total.

It was a regrettable error but the alertness of Jacksonville port authorities in sighting the ommission and registering justified complaint can be seen to serve notice that Southern commercial executives are slive to their assignments and ready to fight for their objectives when necessary.

It is pertinent to note at this point that import traffic for the Port of Jacksonville has more than reached prewar level, and export traffic is fast approaching that level. In 1939, imports were 341,010 tons; exports 192,305 tons. In 1949, imports were 420,538 tons; exports 155,401 tons.

Coosa River Newsprint

The first newsprint rolled out of the new Coosa River Newsprint mill on January 18, three months ahead of schedule, as tangible evidence of the work. hopes and dreams of a group of Southern business men who, almost a decade ago, visualized and realized the tremendous industrial potential in peacetime of the war plants put up by the government to aid this nation's war effort. The Coosa River mill is the largest and most impressive, but just one of the results of the work of the Talladega War Plants Conversion Committee. Tennessee Copper Company's operation in the country, as well as the fifteen-million-dollar rayon yarn plant of Beaunit Mills are two other large operations in the area that came there as a result of the work of this committee. Little is heard of them or of the many other smaller industries now operated locally in what used to be war plants because the newsprint mill is one of the most important steps forward in the history of the South's industrial progress, and it, as well as the story surrounding its beginning, stands out as a monument to Southern enterprise at its best. . . . Page 58

Middle South

Last month our industrial analyst, Sidney Fish, reported on the industrial growth of the Southwest, pointing out that the backbone of its growth was strong in that it was new steel capacity. This month Mr. Fish reports on another rapidly growing sector of the South—the Middle South, made up of Texas, Mississippi, Alabama and Kentucky. Page 57



Extra Space! Doors coil above opening; need no usable floor, wall or ceiling space. Nigh Efficiency! Doors clear the entire opening, from jamb to jamb and floor to lintel! Convenience! With smooth, easy, upward action, Kinnear Rolling Doors save time

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COVER ILLUSTRATION—A picture of one of Alabama's most valuable business and industrial assets brightens the cover of this issue featuring this itselling cover of this issue featuring this itselling in the Port of Mohite movide berthing facilities at present for 22 ahips and a general expansion program now underway will also increase the anmber of berths. The long range total construction program will bring this total to 36. The docks are state owned and operated, and provide the only sea outlet for Alabama. Their growth has been directly or indirectly responsible for more than 100 new industries for the state in recent years.

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LETTERS

Your comments "Little Grains of Sand" in volume 119-No. 2, of February 1950, are timely. After reading same carefully, I feel that every Senator and Congressman should have a copy of same. If you have not already mailed them a copy of the February RECORD, would it be impossible to get a copy of the above mentioned article to mail to them?

There is no doubt but that we are headed for a most disastrous downfall, unless we begin at once to set the National House in order.

L. P. Guigou, Asst. Sec. Treas. Valdese Mfg. Co. Valdese, North Carolina

Thanks very much for your letter of February 7 calling particular attention to an article appearing in the February MANUFACTURERS RECORD.

It is my feeling that if the people knew the truth about such Valley Authorities as the TVA, in their sense of fairness and love of freedom they would have no part of them. More and more publishers and spokesmen are becoming alarmed at what is actually going on in the way of deception and it is my hope that these renewed efforts will arouse the American people.

My wish is that you keep up the good work

W. O. Turner, President Louisiana Power & Light Co. New Orleans, La.

Sir:

We are pleased that your magazine is featuring our State in this issue and we know that this action will be productive of much good for the state.

Morgan Lumber & Mfg. Co. Selma, Alabama

Sir:

You may be able to inform me where I might purchase a new or used (in good condition) automatic mop-making machine, complete with chuck and all other necessary parts; or I might purchase an old broom-making machine, which, I have been informed, can be converted to the making of cotton mops.

I also need information as to the best sources from which to purchase the cotton material and handles, wire, etc.

While I've never been a subscriber to your magazine. I have been reading it since 1899 and believe it to be the Ne Plus Ultra in its field. I am a southerner by birth. Any information available will be highly appreciated.

Charles W. Gibbs

Huntington, W. Va.

(Continued on page 8)

ALCHEMY IN ALABAMA



now that base price stands at 20% below pre-war . . . the only such example in our national economy!

Aluminum is business gold because it makes possible better, lighter products with extra consumer appeal . . . at comparable cost. Yes, comparable in cost per product. For, with aluminum, cents per pound takes on new meaning. most modern aluminum foil rolling mill: the concentration and expansion of rod rolling . . . at Listerhill. Reynolds 1949 payroll in Alabama was \$9,000,000, or \$25,000 a day - to more than 3,000 employees. Since 1941, Reynolds production at Listerhill was 700,000,000 pounds; shipment of mill products in this period was over 1,250,000,000 pounds.



COMING EVENTS

MARCH

3 Malleable Founders' Society, eastern sectional meeting, Hotel Commodore, New York.

14-16—Society of Automotive Engineers, passenger car, body and production meeting, Hotel Book-Cadillac, Detroit. 20-25—Concrete Beinforcing Steel Insti-

tute, meeting, at the Shamrock, Hous-

21-22 Steel Founders' Society of America, annual meeting Edgewater Beach Hotel, Chicago.

30-31 - Railway Development Association of Southeast, annual convention, High Point, N. C.

28-31—National Plastics Exposition, Chicago's Navy Pier, Chicago.

Mar. 30-Apr. 1—American Cotton Manufacturers' Institute, annual receting. Palm Beach Biltmore Hotel, Palm Beach, Florida.

APRIL

3-4—Association of Iron & Steel Engineers, spring conference, Birmingham.
4-7—National Association of Corrosion Engineers, Sixth annual conference, St. Louis.

4-8 Chicago Technical Societies Council, national production exposition, Stevens Hotel, Chicago.

10-12-Iron & Steel Division, AIME, 33rd

annual conference, Netherland Plaza Hotel, Cincinnati.

10-14—American Society of Tool Engineers, industrial (cost cutting) exposition, Convention Hall, Philadelphia.

11-12—American Zinc Institute, meeting. Hotel Statler, St. Louis.

12-14—National Petroleum Association, meeting, Hotel Cleveland, Cleveland.

12-14—American Society of Mechanical Engineers, spring meeting, Hotel Statier, Washington.

17-19—Society of Automotive Engineers, aeronautic meeting and aircraft engineering display. Hotel Statler, New York.

19-21—American Society of Civil Engineers, spring meeting, Los Angeles.

23-27—American Ceramic Society, annual

24 Packaging Machinery Manufacturers Institute, semi-annual meeting, Hotel Sheraton, Chicago.

24-28—Knitting and Allied Crafts Exposition, 71st Regiment Armory, New York. 25-26—National Knitted Outerwear Association, annual convention, Hotel Waldorf-Astoria, New York.

25-26 - Metal Powder Association, annual metal powder show, Hotel Book-Cadillac, Detroit.

25-26 Machine Tool Electrification Forum, sponsored by Westinghouse Electric Corp., at Hotel Statler, Buffalo.

26-28 American Petroleum Institute, eastern district, division of production at Hotel Cleveland, Cleveland.

LETTERS

(Continued from page 6)

Sir

"We consider the Blue Book of Southern Progress to be the standard reference in its field and make a practice of recommending it to persons seeking information about the South. We believe that the Manufacturers Record Publishing Company, by compiling and distributing this information. is rendering a valuable service to the South."

> H. M. Conway, Jr. Director Southern Association of Science and Industry, Inc.

Atlanta, Ga.

Sir

I have relied upon your Blue Book of Southern Progress for several years for facts concerning manufacturing and general industrial conditions in the Southland, and do not feel that I could be without it.

M. B. Holifield
Attorney General's Office
Frankfort, Ky.

SELF SEALING TAGS CHEAPER—BETTER Save-Lamp Co. uses Topflight wrappers

Pressure - sensitive cellophane tape, imprinted with required identification, or specifications is being produced by Topflight Tape Company for many leading electrical manufacturers. Durflex extension cord-a high quality, rubber covered wire is widely supplied by the Save-Lamp Company of Baltimore to the industry and this firm has found Topflight a better medium of identification of this product than anything else they've ever used.

So simple, so easy

Shownhere are operators Georgie Jackson and Sadie Flora easily and quickly applying pieces of Topflight Tape printed with the word "Durflex" around the wire. Wrapped around and sealed on itself this short length of pressuresensitive tape carries the Durflex quality signature wherever the product goes.

TOPFLIGHT TAPE COMPANY

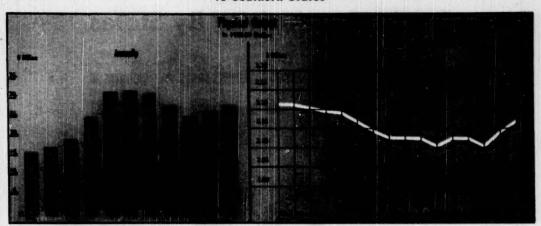
ERWIN HUBER, President

YORK PENNA



SOUTHERN BUSINESS OUTLOOK-

16 Southern States



Following the Trend

Physical output of farms, mines and factories in the 16 Southern states increased about three per cent in December over Nevember. Preliminary figures for January indicate that the advance was pushed somewhat farther in that month. February results remain a matter of doubt by reason of renewed labor trouble in the coal fields with consequent slowing down of activity in other industrial

fields.

Dellar value of production failed to match the gains made in unit output, due principally to steadily falling farm prices.

The drop in southern agricultural prices was, in fact, so drastic as to produce an overall decline of seven per cent in dollar value of production for the South as a whole.

All but four Southern states suffered heavy declines in value of cash farm marketings in December as compared with December

The four exceptions were Texas, the bumper cotton crop of which enabled that state to show a substantial dollar value gain over a year age; Louisiana which had a slight dollar value gain; Oklahoma with a similar small gain; and Florida with a more substantial gain than the latter-two but far less than that of Texas.

With the exception of Kentucky, Alabama and West Virginia, which still lag in normal mineral production, the minus signs in the Southern dollar value map are traceable chiefly to declines in farm marketing values.

Monthly Statistics

	Month	Month	Ago
PRODUCTION, PINANCE, TRAIL	E		
Manufactures (\$ mil.)	\$3,239	\$3,113	\$3,453
Construction Awards	445.1	268	221
Farm Marketings	847	1,270	928
Mineral Output	406	405	458
ron-Steel (600 tons)	2,176	1,241	2,263
Cotton Consumed (000 bales)	664	705	002
Lumber (mil, bd. ft.)	1,106	1,048	1,073
Electric Output (mil. kwhrs.)	8,358	8,273	8,071
Coal Output (mil. tons)	20	19	23
Crude Oil (mil. bbls.)	90	101	114
Bank Debits	18,763	10,000	19,194
Retail Sales	4,221	2,780	4,620
Carloadings	1,005	848	1,216

Latest Preced.

Year

Sized and from data from reports of American Iron & Steel Institute; Pine Lumber from Southern Pine Association; Hardwood Lumber from Nat. Lumber Mirgs. Association of American Raffronds; Other data from U. S. federal agency statistics.

DATA BY STATES

ALA	BAMA		
	Dec. 349	Nov. '49 (\$ million)	Dec. '48
Manufactures	\$203.8	\$188.3	\$218.3
Minerals	11.8	9.8	13.5
Farm Receipts	19.0	45.1	47.8
Retail Sales	180.7	136.5	278.0
Bank Debits	656.8	559.6	671.7

ARKANSAS

Dec. '49	Nov. '49 (\$ million)	Dec. '48
\$ 66.7	\$ 65.3	\$ 70.3
8.6	8.5	8.9
47.2	120.7	77.6
121.5	91.1	124.6
256.6	244.2	261.8
	\$ 66.7 8 6 47.2 121.5	(8 million) 8 66.7 \$ 45.3 8 6 8.5 47.2 120.7 121.5 91.1

FLORIDA

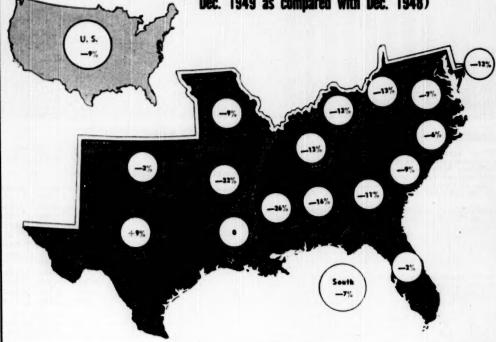
Dec. '49	Nov. 49 (\$ million)	Dec. '48
\$ 91.5	\$ 86.5	\$ 99.8
4.5	4.5	4.5
40.5	34.6	34.4
307.4	200.4	345.7
915.5	788.8	867.5
	\$ 91.5 4.5 40.5 307.4	(\$ million) \$ 91.5

GEORGIA

	Dec. '49	Nov. '49 (8 million)	Dec. '48
Manufactures	\$261.8	\$263.8	\$281.7
Minerals	3.9	3.9	3.9
Farm Receipts	28.4	60.5	43.5
Retail Sales	219.3	198.0	290.9
Bank Debits		1137.9	1321.3
(Continued	on page	11)	

Productive Activity By States

(Dollar value of output of Southern farms, mines and factories in Dec. 1949 as compared with Dec. 1948)



The Trend Continues

The pattern of productive activity in the sixteen Southern states for December 1949 as compared with December 1948 remained substantially the same as it appeared for the previous month of the same two periods which was depicted on this page last month.

Eleven of the sixteen states this month record gains although ten of them are still showing minus percentages. The gains over this group ran from one percentage point up to seven percentage points, and the increase in most cases reflected fairly general gains in the five phases of

productive activity that are reported: Manufactures, Minerals, Farm Receipts, Retail Sales and Bank Debits.

The Exceptions

Five of the states dropped back anywhere from one percentage point to twenty-five. In Virginia and Tennessee drops of one and three points respectively were accounted for by a slight but general dip in all five phases of activity. Reduced retail sales and farm receipts appeared responsible for the greater minus showing of Mississippi, Kentucky and Arkansas. The effects of the present coal strike will show up to a greater extent in next month's tabulations. (Continued from page 9)

KENT	UCKY			OKLAH	HOMA		
	Dec. '49	Nov. '49	Dec. '48		Dec. '49	Nov. '49	Dec. '48
Manufactures Minerals Farm Receipts Retail Sales Bank Debits	\$129.0 38.5 105.5 191.0 773.5	(\$ million) \$128.5 \$3.1 40.9 125.4 623.5	\$132.9 \$1.4 144.3 195.9 846.6	Manufactures Minerals Farm Receipts Retail Sales Bank Debits	\$ 62.9 34.6 48.5 197.3 1130.9	\$ 50.8 34.9 71.6 135.7 1105.4	\$ 67.4 37.2 44.8 196.6 1182.7
LOUIS	SIANA			SOUTH C	AROLI	NA .	
	Dec. '49	Nov. '49 (\$ million)	Dec. '48		Dec. '49	Nov. '49	Dec. '48
Manufactures	\$138.1	\$139.6	\$156.3	Manufactures	\$205.2	\$204.9	\$217.6
Minerals Farm Receipts Retail Sales Bank Debits	45.7 44.7 204.0 1130.7	43.7 53.0 125.0 1005.9	40.9 31.5 234.4 1124.0	Minerals Farm Receipts Retail Sales Bank Debits	12.2 166.3 317.8	.9 25.8 95.5 293.1	21.3 174.9 302.7
MAR	YLAND			TENN	ESSEE		
	Dec. '49	Nov. '49 (\$ million)	Dec. '48		Dec. '49	Nov. '49 (\$ million)	Dec. '48
Manufactures	\$198.4 2.0	\$203.8	\$226.2	Manufactures	\$236.5	\$227.7	\$258.2
Farm Receipts	13.7	16.7	15.9	Minerals Farm Receipts	7.8 46.5	7.0 57.0	8.1 00.1
Bank Debits	189.0 1101.4	118.9 1040.5	202.7 1182.5	Retail Sales	333.0 1305.0	199.5 1228.4	343.7 1330.7
MISS	ISSIPPI			TEX	(AS		
	Dec. '49	Nov. '49	Dec. '48		Dec. 139	Nov. 249	Dec. '48
Manufactures	\$ 85.8	(\$ million/ \$ 85.7	\$ 90.7	Manufactures	\$410.2	\$388.6	\$429.7
Minerals	32.2	7.7 105.5	10.0 60.1	Minerals	159.2 245.6	167.7 360.8	197.6 118.2
Retail Sales		86.1 230.5	138.5 239.5	Retail Sales	803.6 4361.9	547.6 3641.4	876.1 4310.8
MIS	SOURI			VIRG	SINIA		
	Dec. '49	Nov. '49 (\$ million)	Dec. '48		Dec. '49	Nov. '49	Dec. '48
Manufactures	\$104.5	\$386.4	\$418.1	Manufactures	\$218.3	(\$ million) \$219.2	\$285.4
Minerals	80.4	7.3 108.2	7.4 112.6	Minerals	12.9	11.6 51.9	11.6
Retail Sales	390.6 2971.5	293.0 2736.5	400.6 3283.6	Retail Sales	306.6 1044.1	160.8 801.6	310.7 1051.7
NORTH (CAROL	INIA		WEST V	(IDCIN		
NOKIH			Dec. '48	44E31 4			Free Att
	Dec. '49	(\$ million)			Dec. '49	(\$ million)	Dec. '48
Manufactures	2.4	\$404.7 2.4	\$422.0 2.4	Manufactures	\$120.9 58.4	\$120.1 57.9	\$128.6 78.1
Farm Receipts	255.6	70.3 150.1	287.0	Farm Receipts	189.0	11.6	10.5
Bank Debits	. 835.1	843.9	794.2	Bank Debits	435.8	297.9	472.6
							1 21



This steam-powered floating crane was designed for erecting the steel platforms that support offshore oil-drilling operations in the Gulf of Mexico. The largest of its kind yet built, it has a lifting capacity of 150 tons at a radius of 80 ft.

The boom of this mammoth crane measures 195 ft in length and is constructed with chord angles of Mayari R low-alloy, high-strength steel. The use of this grade in place of ordinary structural carbon steel enabled the designers to save 25 pct of the deadweight of the chords, which is equivalent to a 16.3 pct reduction in the total weight of the boom. An additional weight-saving was made by the use of Mayari R in the "A" frames of the crane.

Mayari R is a versatile steel unusually well suited for structural applications of this type, where weight-reduction and atmospheric corrosion-resistance are important considerations. It can be fabricated and welded by the usual methods with only slight allowances needed for its higher properties.

Write today for a copy of Catalog 259 containing information on the properties as well as the structural and other uses of Mayari R.



BETHLEHEM STEEL COMPANY, BETHLEHEM, PA.

On the Pacific Coast Bethlehem products are sold by Bethlehem Pacific Coast Steel Corporation

Export Distributor: Bethlehem Steel Export Corporation

Mayari R makes it lightly-stronger...longer lasting

farm mechanization is important

TO AGRICULTURE

* TO INDUSTRY

It is more than a coincidence that states having the greatest investment in power farm equipment also rank at or near the top in per capita farm income.

The rapid and continuing growth of farm mechanization in the South, therefore, forecasts an era of greater prosperity - not only for southern agriculture, but for southern industry as well, because the two are inseparably bound together.

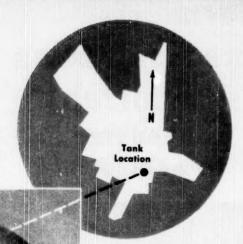
The Allis-Chalmers plant recently established in Gadsden, Alabama, provides an excellent example of the interdependence of Industry and Agriculture. Here a new and more versatile farm tractor -the Model G-is now being produced, and other farm machines will be added as plans for their manufacture are completed.

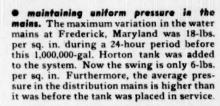
Farm mechanization is important to Industry as well as Agriculture - and Alabama has a stake in both.

Here's what a HORTON ELEVATED WATER TANK

is doing for Frederick

Right: A geographical outline of the city of Frederick, Maryland showing the approximate location of the 1,000,000-gal. Horton tank illustrated below.





• cutting pumping time in half. The large-capacity tank at Frederick is filled during the night with water flowing by gravity pressure from a near-by mountain source. The next day this water is used to meet peak loads. It is not necessary to operate the pumps to fill the tank again. As a result, pumping time is reduced and pumping costs go down. Even if there aren't any hills handy to provide a gravity supply, elevated storage usually reduces pumping costs because the operation of pumping equipment can be spread out into off-peak periods when power rates are lowest.

Horton elevated tanks are available in standard capacities from 5,000 to 3,000,000 gallons. Find out from our nearest office how a good-looking, easily-maintained Horton tank can improve service in your community.

Left: 1,000,000-gal. Horton tank at Frederick, Maryland. It is 105-ft. to bottom and has a range in head of 35-ft. between the upper and lower water levels.

CHICAGO BRIDGE & IRON COMPANY

Atlanta 2 2145 Hooley Bidg. Birmingham 1 1530 North Fiftieth St. Boston 10 1020—201 Devenshire St. Chicago 4 2106 McCormick Bidg. Cleveland 15 2216 Guidhall Bidg.

Pleats in BIRMINGHAM, CHICAGO, SALT LAKE CITY, and GREENVILLE, PA.

NEW AND EXPANDING PLANTS

COMPILED FROM REPORTS PUBLISHED IN THE DAILY CONSTRUCTION BULLETIN

ANNISTON - Anniston Foundry Co., new

building
BESSEMER—Southern Bell Telephone &
BESSEMER—Southern Bell Telephone &
Telegraph Co., dial building.
BIEMINOHAM — Southeastern Greyhound
Lines, bus terminal, \$750,000
DEMOPOLIS—Vanity Fair Mills, Inc., Textile mill, \$500,000.

ARKANSAS

ABKANSAS — Reynolds Metals Co., expansion of their Hurricane Creek, Ark., aiuminum plant and build ore unloading facilities at a Guif Port.

BLYTHEVILLE — Blytheville Warehouse

BLYTHEVILLE — Blytheville Warehouse
Co., warehouse, \$90,000.
FORBEST CITY—R. & S. Liquid Fertilizer
& Implement Co., pians erection of anhydrous ammonia plants at Crow Creek and
Bledsoe Siding, owner to build.
JONESBORO — Heinemann's, Inc., onestory warehouse, \$150,000.
MALVERN — Sturgis Flooring Co., erection of a second unit to its new mill.
OXARK — Arkansas Valley Electric Cooperative Corp., plans steam generating plant.
\$9,565,000.
PINE BLUFF — G. R. McSwine Lumber
Co., Inc., plans new mill, 17th and Railroad.
SILOAM SPRINGS — National Silica Co.,
plans mill for grinding, drying and sacking
silica.

FLORIDA

FLORIDA - Florida Power and Light Co. power plant.

FORT LAUDERDALE — Roy O. Jones.

605 N.E. 6th Ave., service station.

FORT LAUDERDALE — Fort Lauderdale "Daily News," addition.

MIAM! — Butler-Wilson Paper Co., 1401

NW. 22nd St., ware-house addition.

MIAM! — "Miam! Herald," 200 S. Miami
Ave., remodeling ware-house damaged by fire.

MIAM! — Railey-Milam, Inc., warehouse.

NORTH MIAM! — Brower Press, Inc.,

printing plant.

GEORGIA AMERICUS — Manhattan Shirt Co., new plant on 16-acre tract.
ATLANTA — Central Construction Co., freight terminal bldg.
ATLANTA — Dixie Ohio Express Co., freight terminal bldg.
ATLANTA — Evans Metal Co., additions to TLANTA — The Construction of TLA

ouse addition.
AUGUSTA — Warehouse Realty Co., wareAUGUSTA — Atlantic Greyhound Corp.,
DUDLEY — Oconee Floration DUDLEY — Oconee Electric Membership orp., headquarters bidg. HABTWELL — Monroe Auto Equipment p., plans branch plant, several million pilars.

Co. plans branch plant, several million dollars.

JACKSON — Pepperton Cotton Mills, additions and alterations to mill.

MACON — Raiston Purina Co., livestock leeds and cereals plant.

MANCHESTER — Citizens Oil Co., service

ation, \$20,000. MILLEDGEVILLE — Lee N. Jordan, re-

gge.
DN — Upson County Electric
Corp., headquarters facilities.
— Georgia Power & Light

HOPKINSVILLE — Pennyrile Rural Elec-ic Cooperative Corp., hisadquarters facili-

MARTIN — Brush Creek Coal Co., coal tipple and chute, \$175,000.

PIREVILLE — Fampus-Elkhorn Coal Co., all-steel tipple for mines on Beaver Creek, \$150,000.

LOUISIANA

BATON BOUGE -- Louisiana Creamery, Inc., 2400 Plank Rd., two-story addition to building, \$76,102.

New and Expanding Plants Reported in February-202 Total For First Two Months of 1950

BOSSIER CITY — Boilinger Lumber & Supply Co., Inc., alterations to office building. GRETNA — O Connor-Cakes Co., 542 Second St., four-story shortening plant for GRETNA—Southern Cotton Oil Co., GRETNA—Southern Cotton Oil Co., four-story shortening plant, 8685 258.

LAFATETTE — Bay Shoe Co., alterations and additions to building.

LAFATETTE — Voorbies & Labbe, one-story office building.

First Two Months of 1949

LAKE CHARLES — Voorbies & Labbe, one-ory office building.

LAKE CHARLES — Harry Huber, filling ation, intersection of Alamo and Kirkman

Sts. \$15,795.

NEW ORLEANS—P. M. Allison & Assocs.,
one-story seafood and poultry shop building.
NEW ORLEANS—Bailard & Bailard Co.,
one-story warehouse and office building.
NEW ORLEANS—Esso Standard Oil Co.,
2234 St. Charles Ave., two-story service cen-

ter.
NEW OBLEANS—Faistaff Brewing Corp.,
2601 Gravier St., 7-story in front and 5-story
in rear, bottling and cellar building, alterations and additions to brewhouse and pres-

ent bottling plant. — Lone Star Cement Corp., bulkhead, in front of its present wharf on the Industrial Canal. NEW OBLEANS — Luke Motor Co., re-

n the Industrial Canal. NEW OHLEANS — Luke Motor Co., re-odeling building, 2537 Tulane Ave. NEW OHLEANS — Standard Coffee Co., nestory warehouse with 2-story manufac-

year-round air conditioning system. PINEVILLE -- Colfax Lumber & Creosot-, office bldg

MARYLAND

ANNAPOLIS - Shell Oil Co., service sta-on, 6th and Severn Sts. BALTIMORE - Auto City Parking Co.,

parking garings. Baltimore & Ohlo Raling ObBALTIMORE. Baltimore & Ohlo Raling of import ore at
Curtis Bay. \$5,000,000.

BALTIMORE.—Baltimore Transit Co.,
1515 Washington Blvd., transit terminal,
Pratt and Grundy Sis.
BALTIMORE.—Bethiehem Steel Corp., expenditures of \$50,000,000 for expanding its
Sparrows Point plant.
BALTIMORE.—Chesspeake Carpet Cleaning & Storage Co., shop and storage building £700 block Edmondson Ave.
BALTIMORE.—Dietrich Brothers, Inc.,
Pleasant and Davis Sts., office building and
garage, \$137,600.

DUISES.
BALTIMORE—Pariser's Bakery, addition.
104 Pennsylvania Ave.
BALTIMORE—Shell Oil Co., service staun. Hanover & West Sts.
BALTIMORE—Wester Motor Car Co.,
less and showroom building, 4410-20 York

d.

BAI.TIMORE — Wildberger-Best Con-ruction Co., Inc., 1203 S. Clinton St., altera-ons to sales and showroom building, 4410-20

CUMBERLAND.—The Times and Allegany Co. have acquired building adjoining present structure in the rear: plans either to remodel the building or erect a new building on the

HAGERSTOWN - "Hernid Mail" Co., addition to newspaper plant. SPARROWS POINT, BR. BALTINORE. Betthlehem Steel Corp., plans \$30,000,000 construction program.

MISSISSIPPI

CANTON — Madison County Dairies, Inc., modern milk processing plant.
CANTON — Mayor and Board of Aldermen, plan special election to vote on \$90,000 Borld Issue for acquiring, owning, operating and leasing a dairy and milk processing plant.

plant.

(OLUMBUS — City approved issuance of bord issue for nursery products distribution plant. \$100,000.

FURANT — Central Laundry Co., laundry

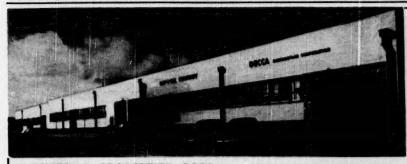
plant \$100,000.

BURANT — Central Laundry Co., laundry and dry cleaning plant, \$100,000.

JACKSON — Mississippi State Highway Dept., asphalt plant, \$500,000.

JACKSON — Edward E. Morgan, one-story service station, \$24,707.

(Continued on page 16)



TRINITY INDUSTRIAL DISTRICT

> "Under the Skyline of Dallas"

INDUSTRIAL PROPERTIES CORP. — 401 Republic Bank Bldg., Dellas, Texas, Phone R-6552

NEW AND EXPANDING PLANTS

MERIDIAN — Southern Steel Fabricating Co., steel fabricating plant and warehouse. \$25,000. ARTHEZ — Southern Beil Telephone & Telegraph Co., three-story building, \$1,250.

OCEAN SPRINGS — Board of Supervisors Jackson County, one-story factory to be ased to E. R. Misore & Co. OCEAN SPRINGS — E. R. Moore & Co..

OCEAN AFRANCE
nestory factory.

PONTOTOL Pontotoc Electric Power
soc. remodeling warehouse to provide
eadquarters office and warehouse facilities.

RIPLEY Board of Supervisors of Tippah
ounty, shoe factory to be leased to W. B.

oon Co. VAZOO CITY—Mississippi Chemical Corp., wo steel warehouse buildings, \$37,000 VAZOO CITY— Yazon Valley Electric ower Assoc, headquarters bidg., and ware-

MISSOURI

KANSAS CITY - Kansas City Pump Co., building office and warehouse, recently

RANAGE COLOR OF THE COLOR OF TH

Products Co., manufacturing building, \$250,000.

ST. JOSEPH — Miller Chevrolet Co., 317

S. 8th, sales and service building.

ST. JOSEPH — Wire Rope Corp. of America, water-proofing and weather coating building, \$70,000.

ST. LOUIS — Barada & Page, Inc., water-bouse, \$50,000.

ST. LOUIS — Barada & Page, Inc., water-bouse, \$50,000.

ST. LOUIS — W. C. Harting Construction Co. 722 Chestnut St., factory.

ST. LOUIS — Universal Mfg. Co., 6629 Olive St., manufacturing and storage building addition, \$40,000.

ST. LOUIS — U. S. Atomic Energy Commission, foundations and structural steel in connection with new plant No. 7.

SAVANNAH — Northwest Electric Power Cooperative, steam plant.

NORTH CAROLINA

ASHEBORO — Central Telephone Building Co., renovation of garage into an office to house the local telephone office.

BUBLINGTON — Burlington Mils Corp., expansion of weaving department of Ossipee Weaving Plant, \$123,007.

CHABLOTTE — American Analine Products, Inc., building, \$83,000.

CHABLOTTE Halliders Hardware &

CHARLOTTE — Buiders Hardware & Supply Co, building. CHARLOTTE — Ryder Truck Rental Sys-tem, Mlami, Fla., sales and maintenance building, 210 Dalton Ave.

CHARLOTTE — Southern Railway System addition to section 3 of Merchants and Farmers warehouse.

CHARLOTTE — C. D. Spangler Construc-on Co., will construct office building, \$90,-

FAYETTEVILLE—Burlington Mills Corp., addition to Puritan Weaving plant, plan renovation of old building.

GANTONIA - Sunrise Dairy, dairy, \$35,-

GREENSBORO - J. P. Stevens & Co., Inc., the building to house offices of Carter

Fabrics Operating Group and other units of

e company,
HENDERSONVILLE — A. S. Browning,
Kaimia Dairy plant,
LAUREL HILL — Morgan Cotton Mills,

IATER HILL — Morgan Cotton Mills, didition to plant.

MOCKSVILLE — Davie Electric Memberip Corp. headquarters bidg.

BOCKY MANAT — Sandhurst Mills, plant.

BOCKY MANAT — Sandhurst Mills, plant.

BOCKY MILLS — American Bukerles,

s. bakery building.

KALISBURY — Cartex Mills Co., pickeroom addition.

om addition.

SWANNANOA — Anjo Bearing Co., indus-tal building with office.

VALDESE — Valdese Mfg. Co., dye house,

WILSON — Wilson County Board of Com-missioners, grain elevator, \$300,000.

LAWTON - Lawton Cooperative Associa-on, new wheat elevator west of city,

ion, new wheat elevator west or chy, 90,000.

MUSKOGKE — W-P Milling Co., grain rarehouse, \$110,000.

MUSKOGKE — Southwestern Bell Teleshone Co., telephone building.

NOWATA — Courant Distributing Co., 300, 71 Highway, Kansas City, Mo., plants stablishment of mfg. plant.

OKLAHOMA CITY—Mackianburg Duncan Colling of the Courant factory, warehouse and office.

OKLAHOMA CITY—Radio Station WKY, addio station studies and office.

radio station studios and offices.

*TULSA — Gulf Milwork Co., 330 S. Kenosha, 2-story factory, \$25,000.

WARITA — Adams Hard-Facing Co., rebuilding plant recently destroyed by fire.

SOUTH CAROLINA

CAMDEN — E. I. DuPont de Nemours & o., acoustical work at new plant. EDGEFIELD — Tim Motor Co., garage da sales building, \$33.54. GAFFNEY — Gaffney Mrg. Co., air conditions system for textile plant. \$60,000. dishon building so the motor Machine Co., office dishon building so

one ENVILLE—Abbott Machine Co., office and shop building.
GREENVILLE—Greenville Bonded Warehouse Co., bonded warehouse.
Co., 1998 — Greenville Bonded Warehouse.
Co., 1998 — Greenville Bonded Warehouse.
KNOST Emmission, headquarters bidg.
KNOST Emmission, headquarters bidg.
KNOST Emmission.
KNOST Emmission.
KNOST EMMISSION, garage building. \$17,833.
KNOST EMERIX — Kendall Mills, contemplates cotton mill. \$1,000.000.

NEW BERRY — Kendall Mills, contemplates cotton mill, \$1,000,000.

WALTERBOBO — Coastal Electric Cooperative, office bidge

TENNESSEE

ATHENN-Athens Stove Works, additions, - Brock Candy Co., fac-8,970. CHATTANOOGA CHAITANOUGA — Fillauer Surgical Sup-tory building, \$157,887.
CHAITANOUGA — Fillauer Surgical Sup-ply Co., new building.
MEMPHIS — Shell Oil Co., filling station.
MEMPHIS — Shell Oil Co., filling station.
MEMPHIS — Southern States Co., roofing

plant, \$155,000.

OAR BIDGE — U. S. Atomic Energy Commission, shop and office building.

OAR BIDGE — U. S. Atomic Energy Commission, shop and office building.

AMARILLO — Keith Motor Co., 81" Harrison St., addition to present building, £5,000.

BAY CITY — Ocu-Cola Co., one-story storage building.

BAY CITY — Groce-Wearden Co., ware-

BEAUMONT - The Cook Co., warehouse nd saies building.

CORPUS CHRISTI — Horak's Floor Covings, 2902 S. Port St., addition to present

building.

BALLAS — Burton-Dixie Corp. has acquired Dallas Cotton Mills property. 200 S. Lamar St., plan conversion into a inodern-bedding mig. plant.

BALLAS — Casa Linda Plaza, 1350 N. Buckner Bivd., will construct service station. and lease to Guil Oil Corp. \$21,500.

BALLAS — Lone Star Steel Co., cast iron pressure pipe foundry \$1,000,000.

BALLAS — Mason Awning & Mfg. Co., 601 Hull St., one-story factory.

BALLAS — National Industries Corp., alberations to warehouse, 721 S. Austin, \$32,500.

20,500.

DALLAS --- Neiman Marcus Co., Main & DALLAS --- Neiman Marcus Co., Main & DALLAS --- Reinhard Oil News Co., 2411 earl St., one-story office and printing build-

DALLAS - L A. Stemmons, Jr., one-story sliding for post office sub-station, Marsalis ting for post office sub-station, Marsalls \$35,000. CAMPO — Coca-Cola Co., one-story

orage building.
FORT WORTH — Consolidated Vultee Co...

FORT WORTH — Consolidated Vultee Co. facility building.
FORT WORTH — Paul & Sadie Haggard.
317 Willing, one-story post office building.
1559 W. Berry, \$50,000.
FORT WORTH — T. E. Mercer Distributing Co., warehouse, \$85,000.
FORT WORTH — The Rector Well Equipment Co., one-story warehouse, 1023 N. Commerce St., \$35,000.
FORT WORTH — Welex Jet Servixes, 3009 Hemphill, Office building and warehouse.
GALVESTON — Galveston Wharves, Inc., 2402 Mechanic St., 5story plant to be leased to Lipton's Tea Co., \$705,016.
GALVESTIN — Lipton Tea Co., \$c/o Galveston Wharves, Inc., one-story warehouse.

house.

GARLAND — Monroe Buick Co., Inc., sales and service building, \$33,000.

GILMER — Pounds Buick Co., one-story sales and service building.

GOOSE CREEK — Humble Oil & Refining Co., Humble Bidg., Houston, service station.

Main St., & Texas Ave.

HOLLOND — Humble Oil & Refining Co., service station.

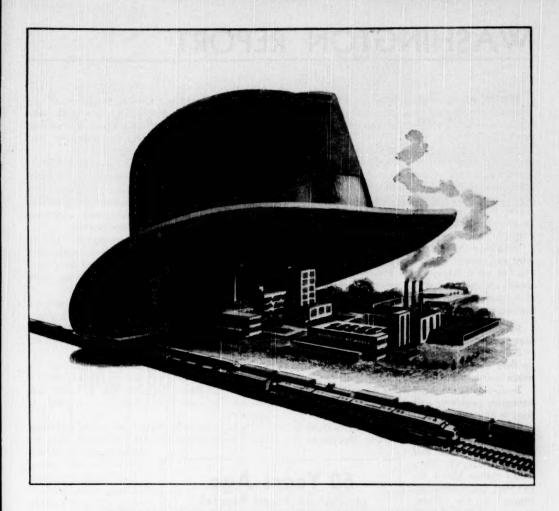
HOLNON — Humble Oil & Refining Co., service station, Bellaire Bivd. & Stella Link Rd.

service station, Denoise Service Station, Development Co., office and warehouse building to be leased to Graybar Electric Co., \$160,000, MOESTON — R. W. Kurtz Construction Co., 2143 Stanmore, Houston, office and ware-

HOUSTON — Bob Robertson, Inc., one-story automobile sales and service building, HOUSTON — Rosenstock Motors, 1120 McKinney Ave., sales and service building. Gray Ave.

(Continued on page 138)





We can't keep it under our hat!

How could we ... even if we wanted to?

It would take a "headpiece" as big as the whole Southland to cover the story of the modern South's industrial growth and promise.

All along the Southern Railway...throughout the length and breadth of the Southland ...new factories are springing up...existing industries are spreading out...nourished by the riches in the ground...encouraged by the optimism in the air...stimulated by everexpanding markets.

No wonder more and more industries are "hanging their hats" in this land of boundless opportunities...the industrial South.

"Look Ahead - Look South!"

Ernest E. Rossai



SOUTHERN RAILWAY SYSTEM

The Southern Serves the South

WASHINGTON REPORT

POLITICAL developments, which impinge increasingly on long-range economic developments, are considered of No. 1 importance in Washing-

ton today.

Although no one in his right mind—considering the world situation and the long-range trend to the left in America—can be especially optimistic, if he believes in economic freedom under law, the winds that hit Washington are bringing a few leaves that seem to harbinger some changes in popular thinking. If this new thinking is basic, it might bring a change in trends.

Whatever the real facts, truth is both Republicans and Democrats in Congress (and officials of the Executive Branch, from President Truman on down) are aware that the average voter (to be distinguished from the average American) are be-

coming convinced of certain beliefs:

I-Russia is not to be trusted under any circumstances.

2—Inflation is here to stay. (A lot of folks gave up their cherished belief in a deflation only after much ineffectual resistance).

3—Government can't solve all individual and economic problems well, no matter how hard it tries or how much the politicians promise.

4—SOMEBODY has sold this country short in international dealings since V-J Day. (People don't

like to look back and blame Roosevelt. They would rather blame Alger Hiss, Dean Acheson, others in the White House and Department of State who have defended the sell-out to Russia).

5—Living isn't nearly as easy and comfortable as it ought to be, despite higher average incomes and considering the money flowing around. (High prices are pinching).

6 — Socialism would not be a good thing for the farmers, the laborers, or the businessmen.

THE first two months of the second session, 81st Congress, reflected the doubts-about-Socialism in the minds of the voters. Congressmen of Fair Deal persuasion were making speeches about freedom and against Russian aggression and sitting on legislation that apparently would inflame dozing voters.

Only one bill—the Korean-Formosa Aid bill was worth mentioning. Several others of a minor

nature were passed.

March is coming in like a lamb—and probably will go out the same way, politics-wise. There are going to be few surprises in this session.

The lobby investigation, heralded by the Fair Dealers last year, hasn't even been well-organized. Republicans yet have not appointed their paid personnel and no hearings are slated for some weeks.

Anti-trust investigation, headed by peppery Representative Emanuel Celler (D.-N. Y.), chairman of the House Committee on the Judiciary, also is just petering along, turning up nothing sensational.

Don't look for Congress to cut many of the money bills very much, however. Budget deficit for **this** fiscal year still is better than \$5 billion, and the one for next year will be just as great, or greater.

Social Security legislation (as passed by House last session) will sail through the Senate, once it's

reported out by Senate Committee on Finance.

Civil Rights legislation will keep things snafued pretty well, but nothing of intrinsic importance will come from this political maneuvering on all sides.

Economic Cooperation Administration will find a more hostile Senate and House than last year, but odds are that it will get virtually what it asks.

The legislators won't go home before latter part of July. That's because of political side-stepping. The majority party figures they can make more hay building their neophyte Fair Dealers ("one - termites,"

60 Years Ago

Manufacturers Record Reported:

Baltimore, March 8, 1890 Repeatedly the importance of small industries, or rather the manufacture of little things, has been referred to in our columns. Recently, our esteemed contemporary, the Charleston "News and Courier," published a local concerning the railroad projects of that city, which contained the views held "prominent railroad man." He is reported to have said: "It makes me mad when I hear people talking about starting up such enterprises as toothpick factories in Charleston. This city should only be satisfied when it has started a number of great enter-prises of large dimensions." Such an opinion would naturally be held by a man connected with railroads, because his daily business has brought him into contact with others in like enterprises, and he is con-stantly called upon to consider affairs of mag-nitude. But the gentleman quoted, and others who entertain similar ideas, are greatly mistaken. The story of the mouse that gnawed the meshes of the net and released the lion has its counterpart in the history of many "enterprises of great dimensions" in our country, which have been saved from ruin by the money accumulated in banks from the petty savings of hundreds of wage earners, and loaned upon the security of the great plant whose owners were enmeshed in a financial net from which they could not otherwise have escaped. Don't underrate the importance of small business.



"like the green bay tree"

The development of Reichhold Chemicals, Inc. is dramatic proof that Alabama soil is good for infant industries. Like the green bay tree, RCI has grown and flourished until, on its 25th anniversary, its branches extend to all parts of the earth. As the world's largest producer of surface coating resins and a major source of chemical pigment colors, phenolic plastics, and heavy chemicals, RCI adds to the evidence that made-in-Alabama is the proudest title a product can bear.

REICHHOLD CHEMICALS, INC.

Tuscaloosa, Alabama



Other Plants: Detroit, Michigan • Brocklyn, New York • Elisabeth, New Jersey • Soeth San Francisco, California • Seothie, Washington • Liverpool, England Paris, France • Sydney, Australia • Sassenhein, Holland • Milan, Italy • Busnos Aires, Argestina • Toronto, Canada • East London, South Africa STRTMETIC RESINS • CHEMICAL COLORS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

WASHINGTON REPORT (CONTINUED)

many of them are called here) into Big Statesmen for the folks back home.

TAX changes may be important, although certainly not adverse, to business.

The one-man, whirlwind campaign of Representative Noah M. Mason (R.-III.) for a "package" tax bill, embodying excise tax changes and removal of loopholes used by co-ops, charitable trusts, foundations and other legal tax-dodgers, has picked up impressive support in both House and Senate.

House Ways and Means Committee shows little enthusiasm for Truman's proposals on changing oil and other mining depletion allowances. Representative R. R. Doughton (D.-N. C.) is always shuffling through his papers and seeing income slipping away to the tax-exempts in other fields.

Proposal of Representative Wilbur Mills (D.-Ark.) to speed up corporation tax collections may pass the House of Representatives, but it won't get out of the Senate Committe on Finance across Capitol Hill. As of now, corporations file their tax returns on the 15th of the third month of their own fiscal year and later pay the amount in four quarterly installments. The Mills proposal, if it became law, would require corporations to pay in two installments—one at the end of the first two quarters.

It's an "open sesame" to hiding a deficit in 1951 by collecting taxes in advance. Like most such fiscal tricks, it handicaps corporate planning and is opposed by most businessmen, who consider it useless except for political purposes. Senator Walter F. George (D.-Ga.), chairman of the Senate Finance Committee, feels the same

Don't worry too much about Truman's proposal to raise corporate tax rates. It isn't going to pass.

UNCLE Sam, through his Department of Commerce, predicts a good business year for the chemicals industry.

"While demand for industrial chemicals and chemical products is not expected to approach the peaks of late '48, output of the industry . . . should compare favorably with that of '49," the Department states. "Generally, present chemical facilities are adequate to take care of anticipated

demands for basic chemicals, and construction activity in the industry is expected to be less during the coming year than in 1949.

"With the expected continuing high demand for chlorine, electrolytic caustic soda, as previously, will provide the major part of the caustic soda supply, with the slack to be taken up by lime soda caustic production. Demand for chlorine during 1949 was at a record level and taxed even expanded production facilities."

SECRETARY of National Defense Louis Johnson, who was President Truman's No. I fund-raiser in 1948, is coming in for increasing criticism from longtime economy-voters in Congress, who suspect him of fast political foot-work in many of his decisions to "cut expenses."

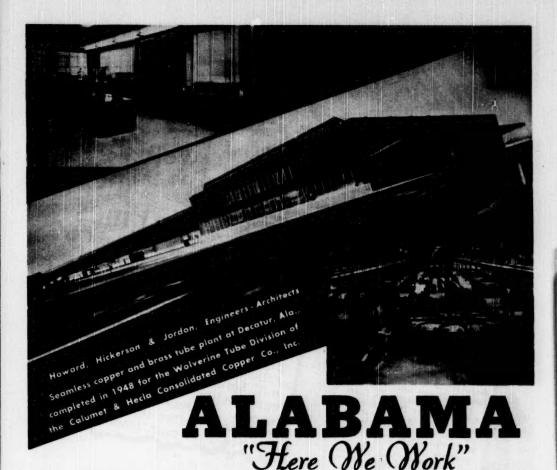
They don't think Johnson is running for President, but that he is still loyal to Harry Truman, and is doing the spade-work for the '52 campaign. Here's the way they figure:

Johnson closes down quite a number of hospitals operated by armed services. Gets credit for being "economy-minded." At the same time, Veterans' Administration is building hospitals anon, many of them near the hospitals left vacant at Johnson's direction. He knows all about it.

In '52, when he starts speaking for "the boss" again, voters will believe him when he says the President and all others in the cabinet are striving to cut expenses.

Johnson is headed for some strong criticism, too, on the state of the nation's defenses. Some influential members of the House Committee on the Armed Services are getting ready to blast the Secretary for short-cutting funds for Alaska, shipping too many vital weapons to European nations, and for general "softness" toward personnel problems in the services, underlined by the recent scandal at the Mid-West finance center.

Senator Robert A. Taft (R.-O.) has said that President Truman has the help of thousands of paid propagandists, on the federal payroll. The Senator also charges that the Republicans get a poor deal from the press, radio and magazines, from the propaganda standpoint. This is true, but Taft forgets to point out that the Republicans who should be working for better propaganda generally are asleep at the switch.



Over the past quarter of a century, Foster & Creighton Company has been privileged to build many of the projects that have gone into the modern industrial, commercial and cultural development of Alabama.

We are proud to point to these Alabama jobs as examples of our work throughout the South.

Organized in 1885. Foster & Creighton Company has grown with the advancing South until, during World War II, we had at one time as many as 20,000 men on our payroll.

Public works, industrial developments, factories, schools, hospitals, highways, bridges, stores, churches, warehouses, housing projects, office buildings, airfields, filtration plants, power plants—these are but a few of the construction types in which we have had extensive experience—and in the building of which we are still keenly interested. We will appreciate the privilege of discussing similar construction that may be planned anywhere in Alabama or in the entire Southeast.

Foster & Creighton Company

General Contractors

Nashville Memphis

Knoxville

Some of the Alabama projects

completed by Foster & Creighton

United States Court and Custom House, Mobile
St. Joseph Street Overpass, Mobile
Southeast Air Depot, various buildings, concrete
runways, and utilities. Brookley Field, Mobile
Berth 8, Alabama State Docks, Mobile
Mobile Police Building
Mobile Police Building
Holy Name of Jesus Hospital, Gadsden
Walter County Courthouse, Jasper
Bryce Hospital, various buildings, Tuscaloosa
Women's Dormitory Group, Alabama Polytechnic
Institute, Auburn
Wolverine Tube Plant of the Calumet and Hecla
Consolidated Copper Company, Incorporated,
Decatur

Protective Life Insurance Company Building, Bir-

Protective Life Insurence Company Building, Birmingham
Birmingham Library
East Lake Orphanage, Birmingham
Henley Building, Birmingham
Thomas Jefferson Hotel, Birmingham
Birmingham National Garage
Birmingham Municipal Stadium (Legion Field)
Homewood Gardens Apartment, Birmingham
Blessed Sacrament Church, Birmingham
Blessed Sacrament Church, Birmingham
Informational Harvester Warehouse & Office,
Birmingham
Naval Reserve Armory Training Center, Birmingham

are pro

Newsprint From Dixie Pine Begins To Roll At Coosa Plant

COOSA PINES, Ala, Jan. 18-Newsprint from Southern pine began rolling out of the giant Cooss River plant here today in a historygan rolling out of the giant Coosa River plant here today in a histor, making step toward greater industrial development of the South. Production began three months shead of schedule. Ground for the plant was broken April 17, 1948. It had been expected to begin turning out paper by the Spring of 1950. Thus, start-up dates were surpassed.

The huge \$32,000,000 Cooks River Newsprint Company plant will

be able to manufacture 300 tons a day.

\$32,000,000 Coosa River Plant Using Southern Pine Running 3 Months Ahead of Schedule

COOSA PINES, Als., Jan. 18 Newsprint from southern pine began rolling out of the \$32,000,000

aper plant here today. First production by the Coose was three months shead of sched-The plant will turn out 300 tons daily when it reaches peak iant in

erations in more WSPT kiePines profercial Source

In More Than Decade And Record For Construction, Production Speed

COOSA PINES. Als. 19—A major new commercial source research from Southern Joine had been opened here today. The big \$22,000,000 Coolds River Newsprint Company plant rolled to the first broad sheet of printing-grean paper yesterday attention. When

paper bean flowing from multirollered machines in the giant mill here, it set a record in plant construction and production speed. It was done within a few weeks after the mill ground the first pulp from pine logs

1... of the part

that F. H. McGraw & Company played in the construction of the Coosa River Newsprint Company mill at Coosa Pines, Ala. In joint venture with Daniel Construction Co. (DANIEL-McGRAW), F. H. McGraw erected the mill and had it in operation three months ahead of schedule.

In addition to being top-flight constructors of new plants, F. H. McGraw & Co. excels in the rehabilitation and modernization of present facilities - mechanical erection, piping, and electrical work. If you are planning a modernization program, write or call the nearest McGraw office for an estimate.



H. MGR

AND COMPANY

Engineers and Constructors NEW YORK . PITTSBURGH . CHICAGO

HARTFORD .

SALUTE...

to an important achievement

-Johns-Manville is proud that its products have contributed to the completion of the Coosa River Newsprint Plant . . . and is especially proud to have participated in an enterprise that represents such an able achievement of the Industry of Alabama.

The products of Johns-Manville that have been used here are, in many respects, major achievements in themselves. These products have had years of study and research behind them... and more years for the development of the manufacturing techniques which enable them to be produced in the quantities needed by all.

So, to the long list of skills and materials needed to bring the Coosa River Newsprint Plant into being, Johns-Manville has added its share. We salute the leaders and their armies of workmen, who with their combined abilities, have made such a characteristically American undertaking possible.

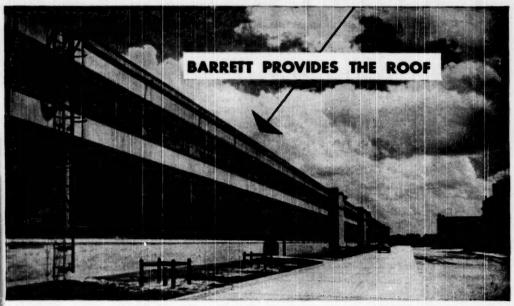
M Johns-Manville

The products of Johns-Manville that have been used in the Coosa River Newsprint Plant include:

Transite Pressure Pipe, Johns-Manville High Temperature Insulations, Corrugated Transite Siding, Rock Cork Roof Insulation, Asphalt Tile Flooring, Asbestos Flexboard.

FORD'S HAPEVILLE PLANT

IS PLANNED FOR UTMOST EFFICIENCY



Arch.: Albert Kahn Associated Architects & Engineers, Inc., Detroit, Mich. Gen. Cont.: Thompson & Street Co., Charlotte, N. C. Roof. Cont.: G. G. Ray Co., Charlotte, N. C.

THIS GREAT new Ford automobile plant in the outskirts of Atlanta, Georgia, represents just about the last word in modern industrial design. Its Barrett* roof of coal-tar pitch and felt is perfectly in keeping—as completely functional and modern today, as when first developed many years ago. Barrett Specification* roofs carry Fire Underwriters' Class "A" rating. They are the longest-lasting, best-value that can be built—usually outlasting their 20-year bond by many years.

SEE BARRETT'S CATALOG IN "SWEET'S"



THE BARRETT DIVISION

ALLIED CHEMICAL & DYE CORPORATION

34th St. & Gray's Forry Ave., Philadelphia 4t, Pa 205 W. Wacker Driva, Chicago 6, III. 1327 Srie Street, Birmingham 8, Alabama

In Canada: The Burrett Company, Ltd., \$551 St. Hubert St., Montreal, P. Q.

Barrett Specification* roofs are applied by Barrett Approved Roofers according to rigid Barrett specifications developed through years of successful roofing experience. They are built up of alternate layers of finest grade coal-ten pitch and felt. Pitch, the life-blood of the roof, is impervious to water and unexcelled as a waterproofing agent.

Top quality felt of Barrett's own manufacture holds the pitch in place and permits the use of greater quantities of this waterproofing than would otherwise be possible. Final steps are a triple-thick coating of pitch—poured, not mopped—plus an armored surface of gravel or slag. Result is a roof that takes Fire Underwriters' Class "A" rating.



*Trade-mark Beg. U. S. Pat. Of

Stock Market Pauses to Consolidate Position

No serious reaction from current price levels of common stocks is expected now.

By Robert S. Byfield Financial Editor

THER than the intermittent crises in the struggle between management and labor of a type which has plagued the American economy for many years, there is at this writing a barrenness of news which might affect stock market prices. Industrial shares appear to be in a trading area with the exception of the television and electronic groups which have been violently stimulated by favorable sales prospects for 1950 and current large earnings. Shares of this character always seem to have a strong mass appeal under favorable conditions, but in the past quotations have inevitably run beyond intrinsic values.

Ample investment funds, particularly of institutional character, are available. Several small but attractive stock flotations were avidly absorbed by investors and have moved to a premium. Various utility operating companies are finding no difficulty in raising additional capital through equity financing and banking groups have been almost universally successful in their marketing operations. The Commonwealth of Pennsylvania set a record for state borrowing by disposing of a single block of \$375,000,000 bonds for bonus payments to veterans with complete and instant success. Prices for high grade bonds and preferred stocks which have been stimulated to a considerable extent by large payments for various pension funds, have been firm and steady. There has been a slight upward revision in short term Treasury interest rates, but the deviation from what had been expected was so small as to lose its significance. Of course, reversal of the easy credit and low money rate policies of the Money Managers in Washington could lead to some change in the public attitude toward common stocks. as it did in the Spring and Summer of 1946. It should be understood that our mere mention of this fact does not indicate any immediate fears in this direction.

Utilities Still Up—As we have so often pointed out, the steady upward trend in public utility and gas pipe line shares still continues almost without interruption. It seems now that the yield for the highest grade issues will soon approach 5% and for those of a lower quality, 6%. We also suspect that a good many pension funds, unwilling to accept the extremely low yields offered by senior securities, are adding utility common stocks for income purposes. Investment demand in this field has far exceeded

anything which had been hoped for by most security analysts a couple of years ago. There had been real fears about the ability of the market to absorb equity securities needed for construction and expansion purposes. For many years the mere announcement of an issue of subscription rights or of a block of new stock was sufficient to impair seriously the market stability of the particular issue in question. Not only has this unwelcome tendency now disappeared, but in some instances the reverse has been the rule. The campaigns of the public power protagonists inside and outside of the Administration have continued unchecked, and Congress has responded by voting large funds to make the public power projects possible almost wherever regional demands seem to arise. The country as a whole still seems to be almost completely unaware that "cheap public power" is cheap only because of subsidization through tax exemption of one sort or another, and that such subsidies must come out of someone's pocket. Despite all this, investment sentiment with respect to the privately owned utility companies has not been in the least affected, a testimonial to its fundamental strength.

Government's Attitude-In the February issue of THE MANUFACTURERS RECORD, we pointed out that it would be unwise for business to become enthusiastic about the implied changes in the basic econamics of the Administration as set forth in the Fourth Annual Report of the Council of Economic Advisers and the Annual Economic Review. So far we are still awaiting actions to implement words. On the contrary, signs are beginning to appear that the anti-business attitude of Washington has not shated one whit. The oil industry, often a whipping boy, is being harassed by threats of Federal Trade Commission action in the international phases of its activities. The State Department has been none too friendly in upholding the interests of American oil companies abroad vis-a-vis their British competitors in the rapidly developing struggle for international markets. On the domestic front there has been a renewed attack on the depletion allowances afforded oil producers in connection with tax returns. All in all, the industry which is having market troubles just now because of vastly increased supplies of petroleum products is none too happy.

And there is, of course, the steel industry, always a lush prospect for those who

wish to badger American business. Off cials of leading steel companies received a thorough bludgeoning from members of the Steel Committee on the Economic Report early in February. A so-called "investigation" resulted from the action of U. S. Steel and other companies in raising prices late last year after the granting of substantial pension and insurance benefits to employees. Impartiality was excluded in advance, and, in our opinion, the "case," if any, against the steel companies was completely prejudged. There was an implication from the Covernment side that profits are too large, a false assumption easily recognizable by anyone willing to take the time to study the financial history of the leading steel companies over the past twenty years. The inconsistency of this new phase of the assault against invested capital in the steel industry is emphasized by the recent charges from Washington that the steel companies were not expanding their capacity sufficiently to take care of the country's growing needs. Even in recent weeks there has been considerable further encouragement for the formation of a New England Steel Authority to build a moderate size integrated mill in that area, presumably using iron ore from Lahrador and West Virginia coal. We assume that if private capital will not undertake this project some subsidized public agency will move in. It would seem that considerations of national defense would indicate a policy of encouragement rather than one of competition and harassment so far as the steel industry is concerned. This is particularly advisable since two wars in this century have almost depleted the large supplies of high-grade Minnesota iron ore upon which there has been primary dependence. As a result, the industry is being forced to rely for future supplies upon such countries as Liberia and Venezuela, but this involves the spending of large sums for investment in ships. railroads, machinery and other equipment. Contrary to left wing claims, there has been no featherbedding of plowedback earnings; we are fortunate that the leading companies have ample resources to develop the necessary facilities.

No Price Reaction Expected-On the whole, there seems to be no reason why a serious reaction in the prices of common stocks should set in at this time. There is a certain amount of momentum which has been engendered by the rise of the previous eight months. It is, of course, obvious that many stocks which have risen substantially from their mid-Summer 1949 lows are no longer as attractive as they were when public enthusiasm was at a low ebb. On the other hand, there are scores of cases where common stock equities are still yielding high returns when compared to the yield from sound bonds and preferred stocks. We have often used the expression in recent years that stocks were "statistically cheap," and this could still be used in many instances, although it is necessary to become more selective as the market probes into higher territory.

BRIDGE BUILDING EXPERIENCE, UNLIMITED





900-ft. 4-span Dock Truss Highway Bridge over Padersales River, Travis County, Teass Stool furnished by Virginia Bridge Company—585 tom. Letter A. Turner & Son, Goni. Contr., Austin, Tex.

NCAST Railway Bridge near Cartersville, Ga. 112-ft. Thru Plate Girder being set in place by Virginia Bridge Company's 60-ton Diesel derrick car.

In bridge building there's no substitute for experience

Engineering, Fabricating and Erecting experience that includes thousands of highway and railroad bridges, is your assurance of bridge-building efficiency at Virginia Bridge. Masters of their craft, our skilled workmen have spent years on end making the drawings, preparing the templets, fabricating and erecting the steel for these bridges. They await the call to your job.

To serve the best interests of the Engineer, the General Contractor and the owner we know the importance of accurate clean-cut drawings; precision fabrication; proper sequence deliveries; carefully timed and coordinated production and erection schedules. It pays to let "Experience" build your bridge, and regardless of size, type or design we welcome your inquiry.



Virginia Bridge Company

ROANOKE

RIRMINGHAN

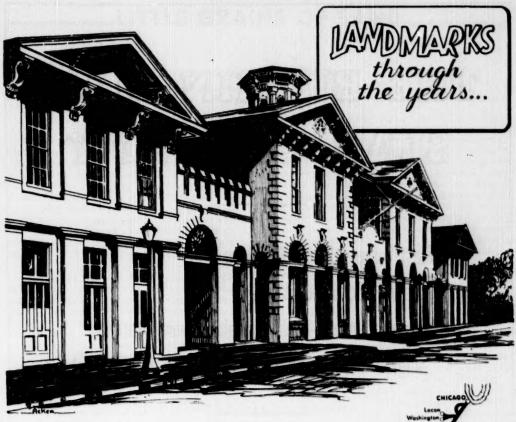
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UNITED STATES STEEL



SINCE 1854, the MOBILE CITY HALL — originally built as a market place — has stood on the site of Fort Louis de la Mobile. Here, too, the first white settlement in Alabama was established by Bienville in 1711.

The GULF, MOBILE & OHIO also stands as a symbol of usefulness and dependability. We have endeavored to keep pace with the requirements of our patrons by keeping our Railroad modern and efficient over a span of a Century. To serve you satisfactorily is our constant goal.

A BTiques





Gulf, Mobile & Ohio

THE BIRMINGHAM SLAG COMPANY

Blast Furnace Slag-20 Sizes

"Enslite" Expanded Slag

"Enslag Colmix"—Cold Asphaltic Paving Material

"Slagtex" Masonry Products—Standard & Lightweight

5 Big Plants

Annual Production 3,500,000 Tons

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Birmingham, Ala.

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LITTLE GRAINS OF SAND.

"Little drops of water, little grains of sand. Make the mighty ocean, and the pleasant land."

There is no such thing as free so-

cialism. There must be either incentive

to encourage men to want to work,

or there must be force to drive them

to work.

According to Plan? For the first time in our history, we are embarking on a policy of deliberate deficit financing. This means constantly increasing prices which in turn means the value of the dollar, the value of wages, and earning power are constantly decreasing. The net result is that everyone lives in fear of increased taxes, increased costs, further increased prices, uncertainty and instability. This mass frame of mind cannot help but lead to business stagnation and unemployment which will open the door for more regimentation, more controls and eventual dictatorship.

Profligate. The Federal Debt was exactly \$256,-865,375,517.11 on January 31. While most impressive to look at, this long procession of numerals is beyond our understanding. In more realistic terms, the debt amounts to about \$1700 for every person in the nation. That compares with \$319 per person in 1939 and \$133 in 1929. This debt has been advancing since last April and is almost \$51/2 billions higher than at that time.

A prudent individual will pay down his debts when his affairs are prosperous. One would suppose that a prudent government would do the same. Yet with business activity and the nation's income at high levels, we have had two successive years of Federal deficits and before long will be entering the third one, which means a further rise in the debt.

Tell 'Em the Truth, Business does not face the difficult problem of changing the opin-

ions of people who know the facts. It faces the simpler one of getting the facts across to the people and counteracting the lies that so many groups have been feeding them about business and industry. A survey made three or four years ago indicated that 72 per cent of the public thought that industry's profits totaled more than industry's wages. (Actually profits even in 1948 were only one-sixth of wages.) A more recent survey showed that more than half of the public believed that most of industry's profits went to the banks and Wall Street operators. If you believed those two canards, both so far from the truth, wouldn't you think that profits were too big and that industry needed to be more closely regulated?

Deception. The more the Government takes in taxes from the people, the more it extends control over them. The spenders, holding aloft the banner of general welfare, make glittering promises of the government's providing services and security from the cradle to the grave. Anyone who raises a question as to costs for these services is branded as a hard-hearted reactionary. But the planners should emerge from the mists of Utopia, get down to earth, and grapple with the problems presented by their theories in a realistic manner, compute the costs, and determine where the money is coming from. It is a sorry spectacle for the officials of a government, with mounting deficits and with no source of real income except that provided by the taxpayers, to make glib promises of grandiose benefits under the impression that the people are being given something for nothing.

The Real Danger. While our attention has been diverted by the noisy attacks of traitorous Communists, usually operating behind a front, the Socialists and the demagogues have been nibbling away steadily at our freedoms, almost unnoticed. Revolution by violence is not our real danger. The power of the

Communists is dwindling as

of course, from the rest of us.

their masks are torn off-but that of socialistically inclined bureaucrats is steadily increasing. Every time they add to the government payrolls or subsidy lists they gain recruits and votes. Before it is too late we must stop the fatal process of buying the people's votes with their own money. One man in seven is today, directly or indirectly, receiving money from the government-which means.

Lagging Behind. Advertising executives whose budgets have increased in the past ten years may not be aware that advertising expenditures the country over have failed to keep pace with the increase in sales. It is true that, as compared with the pre-war decade, advertising expenditures are up a total of 50%, but national income has tripled. In the decade before the war, expenditures for advertising averaged from 21/2% to 31/2% of total income. Today they represent only 2%. According to Arthur Motley, president of Parade Publications, if advertising expenditures had kept pace with the increased national income, we would be spending today well in excess of \$6 billion on advertising of all kinds, instead of \$41/2 billion. Advertising budgets would be up an average of at least 30% over their (Continued on page 32)



YOUNGSTOWN Buckeye high carbon (MB-equivalent) basic steel spring wire goes into many of the high tensile springs, so popular now for upholstered chairs, divans, automobile seats and sleeping car berths.

Youngstown Buckeye high carbon basic steel spring wire, supplied for this and other types of special springs, is produced in gauge, temper and carbon content to meet the fabricator's specifications. It runs true and uniform in strength, ductility and other wanted characteristics, with proper balance in stiffness and workability to produce just the right degree of lasting com-fort in the finished spring, without breaking or failure in fabricat-

Youngstown Buckeye high carbon basic spring wire is now available in a wide range of grades. Write or phone our nearest District Office.

YOUNGSTOWN SHEET

WIRE COLD FINISHED CARBON AND ALLOY BARS - PIPE AND TUPULAR PRODUCTS - CONTUIT - FOI SHEETS - PLATES - BARS - ELECTROLYTIC - TIN - PLATE - COKE - TIN - PLATE - BAILBOAD - TRACK - SEL

Look What's Happened to the Old-Fashioned Coal Shovel

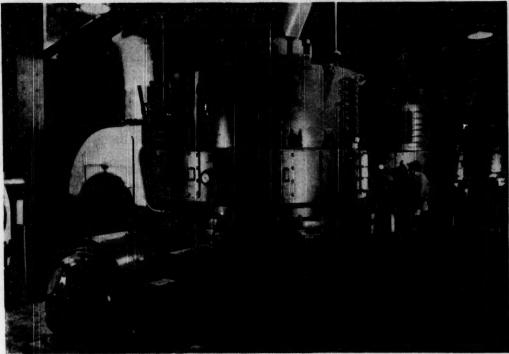


Photo of Mitchell Station, West Penn Power Co., Pittsburgh, Pa.

This is a bettery of coal pulverizers. Each grinds a continuous flow of coal to talcum powder fineness. And a blast of air whips it into the roaring fires of public utility boilers to make electricity for an entire city.

Coal for uses such as this must possess specific qualities. It must deliver a specified heat output. Even its ash content must meet pre-determined standards unvaryingly.

To provide coal with the stable and specialized characteristics needed by industry, mine operators have built preparation plants, many costing as much as a million dollars each. Here coal is washed of loose impurities, graded for size, tested for chemical content and then blended or treated to each industrial buyer's specifications.

Because coal has dependable qualities, it continues to be the chief source of the nation's electricity. By far, most of the new electric generating stations across the country are coalburning plants. Coal that is truly "prescription-prepared" provides high productive efficiency at economical cost . . . not only for public utilities, but for other industrial users. Mechanization of America's bituminous coal mines has all but banned the pick and shovel. Electric-powered drills, cutting machines, loaders and timbering equipment do most of the "heavy work." Such mechanization, in fact, has made the work of the miner that of a highly skilled machine operator or specialized workman who earns bigger hourly wages than those paid in any other major industry.

BITUMINOUS & COAL

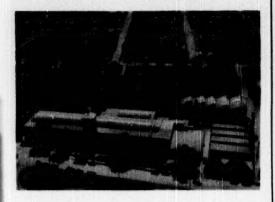
BITUMINOUS COAL INSTITUTE
A DEPARTMENT OF NATIONAL COAL ASSOCIATION
WASHINGTON, D. C.

BITUMINOUS COAL ... LIGHTS THE WAY... FUELS THE FIRES ... POWERS THE PROGRESS OF AMERICA

MARCH NINETERN PIFTY

EXCELLENT BUILDING AVAILABLE IMMEDIATELY

Reasonably Priced Located in North Central Georgia



Bldg. Brick-Standard Mill Construction

Floor Space 65,000 sq. ft. plus 17,000 sq. ft. warehouse

Floors 34 inch tongue and groove sub-floors covered with maple

Column Spacing—On 8 ft. 3 in. centers, 3 bays 25 ft. 9 in. wide

Office Space Commodious office bldg.

Heating System-Coal fired boilers

Sprinkler System Standard equipment

Labor Plentiful. Several overall plants only mfg concerns in surrounding area

Water Supply-City main and spring branch

Power-Georgia Power Company

Transportation Seaboard Air Line Railroad main line from Atlanta to New York

R. R. Siding-Spur track from SAL RR

Complete information regarding this building will be furnished to bona fide inquiries. All inquiries will be held in strict confidence. Address:

DALLAS T. DAILY
General Industrial Agent
SEABOARD AIR LINE RAILROAD COMPANY,
Norfolk 10, Virginia



LITTLE GRAINS OF SAND

(Continued from page 29)

present level to hold their own in the business picture.

Tax Exempt. Charitable and educational institutions have had tax exemption for as long as there has been an income tax. When they could invest the funds profitably in bonds and mortgages they did so and no one thought to question their exemption. When interest rates were pushed down by government and when expenses of the institutions went up, they had to look for some ways to balance their budgets. So they invested in fields which competed with the private enterpriser. In other words, they went into active business. Should the profits from such active business participation be taxed?

The Well Running Dry. The private enterprise system is being threatened by a lack of venture capital, and it cannot exist unless there is a steady flow of private capital into the economy in terms of ownership as well as in terms of debt. The testimony of experienced men in the investment markets seems to indicate that the majority of people with savings are more desirous of security for those savings than they are for large profits from new ventures, or even from old ventures. They are therefore investing most of their savings in government bonds, in life insurance policies, and in savings banks. The most important reason for this is the steeply graduated federal income and estate taxes, which exact a terrific toll from the relatively well-to-do from which the savings for risk investments have been so largely drawn.

Common Sense. A recent poll conducted by the American Institute of Public Opinion indicates that only 24 per cent of those surveyed think that the government should own the electric power industry. By contrast, a similar poll, taken in 1936, showed that 40 per cent favored acquisition of the power utilities by the government. From this it is apparent that a majority of the American people has never favored socialization of the electric industry. It is also apparent that the sentiment in favor of private ownership has tended to increase. These are strictly logical developments. We have the best and most abundant power service in the world, for all categories of consumersdomestic, agricultural, and commercial. The cost is just about the smallest item in the average family budgetless than is spent for tobacco, and the industry is one of the largest and most dependable taxpayers for Federal, state and local governments.

Diminishing Returns. Sir Alexander Grey, a leading Scottish economist, said recently that British taxes on factory workers' incomes have reached the point where, instead of getting time-and-a-half for overtime, the worker takes home only about 75% of the regular hourly rate. Under such circumstances, it is no wonder that the socialist government of Great Britain must continually struggle with the problem of under-production.

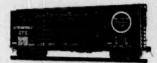
(Continued on page 34)



ATLANTA & WEST POINT RAILROAD



SEABOARD AIRLINE RAILROAD



ATLANTIC COAST LINE BAILROAD



ST. LOUIS-SAN FRANCISCO RAILWAY



BIRMINGHAM SOUTHERN BAILROAD



NASHVILLE, CHATTANOOGA & ST. LOUIS RY.



CENTRAL OF GEORGIA RAILWAY



SOUTHERN RAILWAY SYSTEM



GEORGIA RAILROAD



TENNESSEE COAL & IRON RAILROAD



GULF, MOBILE & OHIO RAILROAD



WESTERN RAILWAY OF ALABAMA



ILLINOIS CENTRAL RAILROAD



ALABAMA POWER COMPANY



LOUISVILLE & NASHVILLE RAILROAD



BIRMINGHAM SLAG COMPANY

Here's an "All-Alabama" fact! All of the 14 railroads serving Alabama have bought freight cars built by Pullman-Standard at its Bessemer, Alabama, plant. Each one is represented on this page, as well as Alabama Power Company and Birmingham Slag Company, which have also purchased freight cars "Born at Bessemer."

NANIMOUS!

Pullman-Standard is one of the South's progressive industries. Its Bessemer plant pays out as much as \$20,000,000 in a single year for labor, materials and supplies—almost all of which are obtained in the Southern area.

Pullman-Standard is helping in the development of a bigger and better industrial South!

Pullman-Standard

CAR MANUFACTURING COMPANY BESSEMER · ALABAMA

CHICAGO - NEW YORK - CLEVELAND WASHINGTON, D. C. - PITTSBURGH BIRMINGHAM



WHAT'S TO BE SAID ABOUT

SATISFIED USERS

The building of dependable water producing equipment involves a lot of extraordinary skill. And when it comes to skill Layne leans mighty heavily on seventy years of worldwide experience. It is from such experience that Layne has been able to find and strengthen weak points, use tougher and longer lasting materials and to constantly increase over-all efficiency. As a result, users almost invariably stick to Layne equipment on each of their additional units.

It is a widely known fact that Layne Well Water Systems, point for point, always measure "head and shoulders" above any other make. This means that there is no advantage whatever in buying the so called "just as good" equipment. Furthermore there is no use telling you that this or that Layne part is super-duper. What you are buying—and have every right to expect, is unquestionably good performance over a long period of years. That, in brief, is exactly what Layne offers without reservation of any nature.

For further information, catalogs, bulletins, etc., address

LAYNE & BOWLER, INC GENERAL OFFICES, MEMPHIS S, TENN.



BUILDERS OF

HIGH IFFICIENCY

WELLWATER SYSTEMS

ASSOCIATED COMPARIUM LAIRE-Arkenoos Co., Stuttent. Ark. P. Lasse-Allentic Co., Nordalk, Va. P. Lasse-Cutter Co., Monardos, Pres. Lane-Northero Co., Minhawski Pres. Lane-Northero Co., Minhawski Co., Min

LITTLE GRAINS OF SAND

(Continued from page 32)

Individualism. We should know that conscience, reason, knowledge, integrity, judgment and all other virtues are the distinctive and exclusive properties of individual persons. Committees and governments don't think; only individuals think. Systems do not commit crimes; only individuals commit crimes. . . Majority decisions are not right merely because they are in the majority. The majorities which nailed Jesus to the cross, gave Socrates the cup of hemlock, burned John Hus at the stake, forced Galileo to deny what his telescope told him—were they right? In these cases the individual was right. May there not be just such situations today?

-Excerpt from a sermon by Rev. Ernest H. Sommerfeld

Perverted Leadership. A majority of the 81st Congress has clearly demonstrated that if given a free hand, it would make certain strengthening amendments to the Taft-Hartley law of a sort that probably would guarantee its existence as a useful statute for many years to come. They would strengthen it by providing more thorough "national emergency" and anti-Communist provisions and by eliminating or revising some sections, such as the one calling for union-shop elections, that have proved either impractical in operation or unnecessary. Why, for example, is John L. Lewis still capable for controlling soft coal production singlehandedly and arbitrarily? Only because the Administration is refusing to accept any law passed by this Congress which would impose the necessary restrictions on his power.

The Fair Deal and its union string-pullers obviously are counting on the 1950 elections to give them carte blanche for a return to the conditions of the Wagner Act which the public has so patently rejected through the 80th and 81st Congresses. Playing this kind of politics with our national welfare ill becomes the President of the United States.

False Doctrine. Not only does the President's latest tax message to Congress propose no reduction whatever in the swollen budget estimates of expenditure, but in it he states that "Drastic reductions in Federal expenditures in the wrong places and at the wrong time could have serious disruptive effects throughout our economy." This implies that Federal expenditure should be kept up, no matter how unnecessary or wasteful, because of its "effect on the economy." The President surely must know that reductions in Government expenditure that are passed on to the people in the form of tax reductions will powerfully stimulate, rather than depress, the economy. The consequences would only be that the Government would then spend less and people would spend more. Spending by the people is dynamic and begets economic activity.



WHEREVER COTTON GROWS, CONTINENTAL GINS

CONTINENTAL GIN and its predecessor companies have been continuously identified with the cotton ginning industry for 118 years.

Established in 1832-shortly after Eli Whitney invented the first practical method of separating cotton from the seed-Continental Gin Company has pioneered a large majority of the notable advances in the science of cotton ginning during the past century. Continental ranks today as the world's largest manufacturer of cotton gin machinery—in use throughout the cotton growing world.

With central offices and plant in Birmingham, and other factories and branches at Atlanta, Memphis, Prattville and Dallas, its operations now extend not only over the entire cotton belt of the United States, Central and South America, but to all foreign countries that grow cotton, including the east and west

coasts of Africa, Iodia, Turkey, Persia, China, the Philippines, and Australia.

In 1936, Continental Gin departed from its long established precedent of making only cotton gin machinery to organize the Industrial Division, specializing in the manufacture of Materials Handling and Mechanical Power Transmission Machinery as well as a variety of special work. Today its machinery and conveyor equipment is used throughout the nation by coal mines, quarries, steel, food, textile, chemical, fertilizer, orment, farm equipment industries, and other varied types of enterprise.

The Company also maintains a Special Products Department, which is constantly engaged in utilizing Continental's flexible equipment in the manufacture of new products to further increase the Company's world-wide service to industry.

This is another advertisement in the series published for more than ten years by Equitable Securities Corporation featuring outstanding industrial and commercial concerns in the Southern states. Equitable will welcome apparauchles to contribute to the further economic development of the South by supplying aspital funds to cound enterprises.

NASHVILLE DALLAS KNOXVILLE BIRMINGHAM NEW ORLEANS

EQUITABLE Securities Corporation

CHATTANOGRA GREENSSORO A N D JACKSON, MISS

BROWNLES O. CURREY, President

322 UNION STREET, NASHVILLE 3.

TWO WALL STREET, NEW YORK S.

First in the South -Nineteenth in the Nation

The following list, compiled from a tabulation in the Investment Dealers' Digest of January 23, shows the 38 investment banking firms in the United States which participated to the extent of \$20,000,000 or more in underwritings of new corporate issues during the year 1949:

Halsey, Stuart & Co	
The First Boston Corporation	
Kidder, Peabody & Co New York	92,419,000
Harriman, Ripley & Co., Inc New York	90.858,000
Lehman Brothers New York	88,673,000
Union Securities Corporation	84,821,000
Blyth & Co., Inc New York	75.024.000
Drenet & Co	68.311.000
Salomon Bros. & Hutzler	67,342,000
Morrill Lynch, Pierce, Fenner & Beans New York	62.012.000
Smith, Barney & Co New York	53.118.000
Stone & Webster Securities Corporation New York	53,005,000
Kuhn, Loeb & Co	52,870,000
White, Weld & Co New York	52,244,000
Goldman, Sachs & Co New York	50,482,000
Stroud & Company, Incorporated	49,320,000
Morgan Stanley & Co New York	44,465,000
Glore, Forgan & Co New York	42,455,000
Glore, Forgan & Co New York	1,352,000
Otis & Co Cleveland	40,444,000
Paine, Webber, Jackson & Curtis Boston	40,049,000
Rastmun, Dillon & Co New York	36,165,000
R. W. Pressprich & Co	35,487,000
Harnblower & Weeks	34,710,000
Lee Higginson Corporation	32,342,000
Carl M. Loeb, Rhoades & Co New York	32,332,000
A. G. Becker & Co., Incorporated	31,696,000
Harris, Hall & Company	30,581,000
E. H. Rollins & Sons, Incorporated New York	28,642,000
A. C. Allyn & Company, IncorporatedChicago	28,518,000
Dean Witter & Co	26,852,000
Lazard Preres & Co	26,029,000
Shields & Company	25,036,000
Blair & Co., Inc	24,672,000
Dillon, Read & Co. New York	23,105,000
Dick & Merle-Smith	22,660,000
W. C. Langley & Co. New York	22,383,000
W. C. Mangley & Co	20,706,000

It may be observed that Equitable Securities Corporation is the only Southern firm included in the foregoing list.

NASHVILLE DALLAS KNOXVILLE BIRMINGHAM NEW ORLEANS

EQUITABLESecurities Corporation

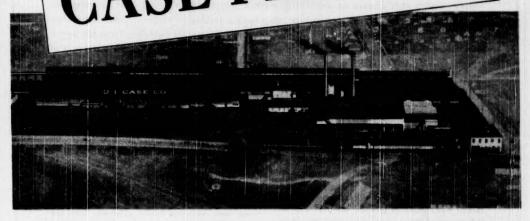
BROWNLEE O. CURREY, President.

NEW YORK HARTFORD CHATTANOORA GRIENSBORO AND

322 UNION STREET, NASHVILLE 3.

TWO WALL STREET, NEW YORK B.

Newest of Eight CASE Plants Animo, Albania, and Animo, Ani



IN STEP WITH THE NEW AGRICULTURE OF THE SOUTH

● Transformation of Southern agriculture is being achieved largely by adoption of two machines—the all-purpose tractor which multiplies the amount of crops a man can produce, and the small combine which not only multiplies the amount but also diversifies the crops he can grow and harvest. Together they foster the growing of grasses and legumes—for seed as a cash crop, for soil protection and improvement, and for pasturing livestock.

Of the Case implements built at Anniston-all widely used in Southern agriculture—two loom large in the grassland · livestock program. The Cover Crop Harrow is designed to blend lush vegetation into the soil in preparation for another crop. The Brushland Harrow subdues wild land for seeding of tame pasture grasses—notably in Southern beef cattle production.

Newest of Case plants, Anniston already employs several hundred people, already is sending its plows and harrows to other areas, already has proved its place in the industry of Alabama and the agriculture of America.



New Eagle Witch of the low-cost Case "VAC" tractor enables driver to attach rear-mounted plows, tillers, etc., in one minute without leaving the tractor seat.

Case Industrial Tracters have extra strength and stability for hard service with front-mounted loaders, dozers, rotary sweepers, etc.



Low in price, the five-foot Case "F-2" combine is just right for operation by power take-off from tractors of two-plow rating.



Where plows wen't werk the Case Brushland Harrow rolls over buried rocks and roots, cuts up brush, readies rough land for seeding.



AVONDALE WELCOMES COOSA RIVER NEWSPRINT COMPANY AS NEIGHBOR

◆ AVONDALE welcomes industrial development because it means new jobs and payrolls—new wealth that creates an expanding market for everything, and that includes our products. But our interest in our new neighboring industry is much closer than that. Avondale people have had a part in the Coosa River Newsprint Company from the beginning. Mr. Donald Comer, Chairman of the Board of Avondale Mills, is also Chairman of the Board of the Coosa River Newsprint Company, and Mr. Ed Norton, one of Avondale's directors, is their President. Although Coosa River Newsprint's operations date from 1950, it already has an interesting history, and we are proud of the part in that story that has been played by Avondale people.

Coosa River Newsprint's history began early in the War when the Government built a large powder plant on the Coosa River in central Alabama. While the war was still going on the Talladega County War Plants Reconversion Committee was formed to plan for the post-war development of these properties, with Mr. Tom Martin as Chairman, and with Mr. Hugh Comer, President of Avondale Mills, as Vice-Chairman. At the suggestion of Mr. Robert Gregg, Mr. J. E. Sirrine was engaged, and after an exhaustive survey the recommendation was for a newsprint paper mill, because of favorable natural resources and market prospects. At this point the Southern Newspaper Publishers Association joined forces with the Talladega County Committee. It had previously been interested in the promotion of the newsprint paper mill at Lufkin, Texas, which has been a success, and it was also interested in a second mill east of the Mississippi. Mr. Clarence Hanson, Chairman of their Newsprint Paper Committee, was authorized to join with the local people in promoting what is now the Coosa River Newsprint Company.

Coosa River Newsprint's story began with the desire to utilize the government's war plants, but efforts to buy the property ended in failure. A long term lease was finally obtained. Then the Kimberly-Clark Corporation of Neenah, Wisconsin, successful paper manufacturers for seventyfive years, came into the picture. They were engaged to construct the mill and operate it. They are also the largest stockholder. The newspaper publishers invested ten million dollars, mostly from the South, but also from Washington, Philadelphia, Buffalo, Indianapolis, St. Louis, and Kansas City. Contracts to purchase the entire output for ten years were made by these papers. Other stockholders include local people. Fourteen millions in bonds were placed with Metropolitan of New York and their associates.

Planning and building for the Coosa River Newsprint Co, have been successfully completed. We wish them even greater success in their operations.

AVONDALE MILLS OF ALABAMA

Established in 1897 by Governor B. B. Comer

GENERAL OFFICES: SYLACAUGA, ALABAMA

If You're Looking For A New Plant Location...



- READY ACCESS TO A VARIETY OF RAW MATERIALS.
- AN ADEQUATE LABOR SUPPLY.
- REASONABLE OPERATING COSTS.
- A CLIMATE SUITABLE TO YEAR-ROUND OPERATIONS.

In the area served by the Atlantic Coast Line Railroad there is a definite place for your manufacturing facilities. For complete details please write to:

R. P. JOBB, Manager Development Service Atlantic Coast Line R. R. Co., Wilmington, N. C.



ATUANTIC COAST LINESEE

RAILEGAD COMPANY

The Frisco-AT & N
Means Business
...in Alabama!



Industry relocating or expanding in new territories will do well to consider these advantages offered in the Alabama areas served by the FRISCO and its subsidiary, the Alabama, Tennessee and Northern Railroad:

- 1. Access to Loading World Ports... The Alabama State Docks at Mobile, connected by Terminal Railroad with the FRISCO-AT&N, provide one of the most modern, fully equipped ports in America with steamship service to practically every port in the world.
- 2. Agricultural and Mineral Resources . . . Raw materials for many industries are readily available in Alabama. Cotton, corn, soybeans, oats and peanuts are the major agricultural products . . . with further potential possibilities in truck growing and diversified farming. Beef raising and dairy farming flourish, with grazing practically every month of the year.
- 3. Types of Industries... The combination of advantages offered in weather, in available resources and by the abundant supply of skilled and semi-skilled labor (especially female) in areas adjacent to the FRISCO-

AT&N makes Alabama an ideal location for many types of industry, such as fertilizer plants, feed-mixing plants, chemical plants, seed houses, clothing manufacturing plants, textile plants and many others.

4. Choice Sites Available... In addition to the many privately owned sites and structures available... the FRISCO-AT&N is now offering more than 450 acres of industrial sites in the Blakely-Pinto and Chickasaw areas adjacent to Mobile. These are among the most attractive in the entire Gulf Coast section. Utilities, taxes and transportation facilities are ideal for almost any type of manufacturer or distributor.

For complete, current data on all subjects of interest to industries contemplating relocation or expansion, the FRISCO-AT&N invites you to call upon the services of the FRISCO INDUSTRIAL DEPARTMENT.

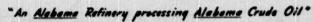
ADDRESS: J. W. MAHANAY
Assistant to Vice-President, Frisco
Frisco Building, St. Louis 1, Mo.





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SERVING: Alabama · Tennessee · Mississippi · Floride Missouri · Kansas · Arkansas · Oklahoma · Texas



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Refiners of
SPECIFICATION ASPHALTS • GASOLINE
TRACTOR FUEL • SOLVENTS
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7

and the





and steel production. Some of its outstanding basic advantages are . . . substantial and increasing markets . . . a wealth of basic raw materials including mineral, agricultural and timber . . . dependable labor . . . favorable climate . . . abundant power and water supplies . . . and excellent railroad and port facilities.

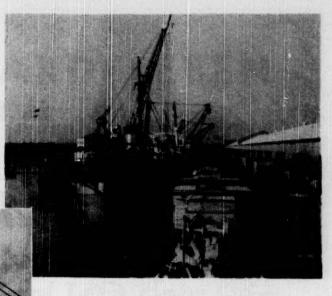
ORE AND MORE industries are "Alabama Bound". Alabama is second in America's iron

Let us furnish you information on industrial sites and possibilities in this fast developing region. Communicate with:

Raymond E. Bisha
General Industrial Agent
Louisville & Nashville Railroad
908 West Broadway
Louisville 1, Ky.

LOUISVILLE AND NASHVILLE RAILROAD

Port of Mobile



where **HEAVY CARGO**moves faster for less

The \$30,000,000 terminals at Mobile assure the shipper of efficiency and economy in handling all types of exports and imports. But shippers of heavy-lift cargo will find it particularly advantageous to use the Port of Mobile. Piers at the State Docks are equipped with apron wharves and marginal tracks which permit heavy lifts to move direct from open car to vessel—a time and money saving for those shippers who route their cargoes via Mobile.

Check These Advantages:

- Favorable rates No Lighterage
- Direct movement of cargo to vessel from shipside warehouses or from cars on marginal tracks
- Heavy lift equipment
- Low Handling Costs

ALABAMA STATE DOCKS & TERMINALS

MOBILE 4. ALABAMA

HENRY W. SWEET, Director

A is for labama!

Able!...Alert!...Aggressive!

Never before has the South so dominated the national economic picture. Its rich resources... its ideal climate... its unequalled plant sites... its alert people are making it a mecca for business and industry. It is literally a land of opportunity.

As one of the major Southern states, Alabama is in step with the rapid march of Southern progress. Throughout the state new plants are springing up, new industries are humming, everywhere there is tremendous activity.

The Nashville, Chattanooga & St. Louis Railway has served the South since before the Civil War—it is a "born and bred" Southerner. Proud as it is of this heritage, it is prouder still of the vital NEW SOUTH. Its prime purpose is to help in the greater growth and development of this area... to provide it always with the finest in modern rail transportation.

ALABAMA

Record of Progress for 1948

Manufacture, all products . \$2,658,400,000
Minerals, production value 175,700,000
Construction:

Products 131,848,000



THE NASHVILLE, CHATTANOOGA & ST. LOUIS RY.

DE BARDELEBEN

Southwide and Diversified

· COAL ·

Coke • Coal Tar • Light Oil Carbolic Oil • Sulphate of Ammonia

BUNKER COALING DEPOTS

At New Orleans-Mobile-Pensacola

EXPORT FORWARDER SERVICE

Offices New Orleans—Mobile Pensacola—Charleston ALABAMA

DISTRIBUTORS

TIMKEN

AUTOMATIC

COAL

STOKERS

DEBARDELEBEN
COAL CORPORATION
Birmingham 3, Alabama

An Alabama Company

Organized in 1900 in Alabama, Liberty National Life Insurance Company has kept pace with the growth of the State. From a small beginning this company has grown to be one of Alabama's soundest and largest financial institutions.

During 1949 over 43/4 million dollars were paid to policyholders and beneficiaries.

At the end of 1949 1,939,763 policies were in force on the lives of Alabama residents.

The Company has approximately 16 million dollars invested in Mortgage Loans in the State of Alabama, providing homes for thousands of Alabama people.

More than one thousand Alabama families are supported by the pay roll of the Company.

Total assets at December 31, 1949—\$74,112,242.86.

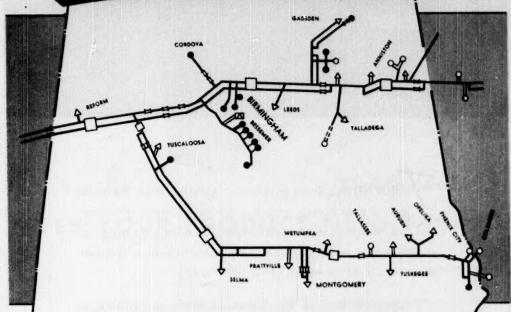
Total insurance in force at December 31, 1949—\$557.282,368.

LIBERTY NATIONAL LIFE INSURANCE COMPANY

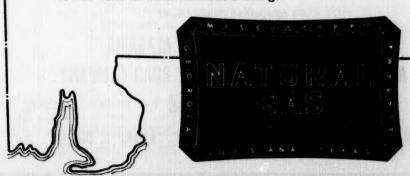
BIRMINGHAM, ALABAMA

FRANK P. SAMFORD, President

Serving the Industrial Center of Alabama



W E at Southern Natural realize that the privilege of serving the industrial center of Alabama with Natural Gas also carries with it a definite obligation of progress. To us, this means a constant striving for better service, of extending our pipe lines and enlarging our facilities, of doing our utmost to make Alabama a better state in which to live—and in which to make a living.





HROUGH the heart of Central Alabama these Railroads serve a mild climate territory, rich in industrial advantages and opportunities. Here you will find a friendly, alert and cooperative people moving forward with industrialization that continues to add to the wealth of this great state.

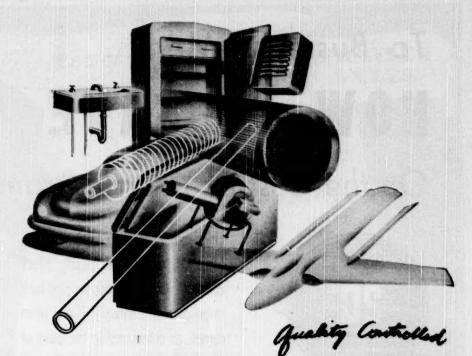
Along the lines of The Western Railway of Alabama, in Opelika, Auburn, Notasulga, Montgomery and Selma there are many desirable plant sites, adequate native born labor and economical utility services.

Development Department

THE WESTERN RAILWAY OF ALABAMA ATLANTA AND WEST POINT RAIL ROAD COMPANY GEORGIA RAILROAD

4 Hunter St., SE.,

Atlanta 3, Georgia



DOES YOUR PRODUCT NEED, TUBING?

A product is as good as the average quality of the combined elements making up that product.

A weak factor can impair the function of a product, and conversely, a high quality component can enhance the quality-average and thus increase the value of the entire product.

Wolverine tube is playing an important role as a component of such products as: refrigerators, condensers, plumbing and heating units, automobiles, airplanes, and dozens of others—because it is quality-controlled and meets the high standards of uniformity and dependability demanded by the manufacturers of these products.

There is a difference in tubing, and you will find it interesting to learn more about Wolverine seamless non-ferrous tubing and how it can serve your purposes with economy and efficiency.

Would you like to discuss your tube requirements with our engineers? No obligation, of course.



WOLVERINE TUBE DIVISION

DETROIT 9, MICHIGAN

DECATUR, ALABAMA

To Business Men . . .

HOW TO SAVE

On the Cost of Your Insurance



Employers Insurance Company of Alabama is a dividend paying stock company. Cash dividends are paid back to policyholders annually, if and when earned, as determined by the board of directors.

- Workmen's Compensation
- Manufacturers' and Contractors' Bodily Injury and Property Damage
- Automobile Bodily Injury and Property Damage
- Automobile Fire, Theft and Collision
- Owners', Landlords' and Tenants' Bodily Injury and Property Damage

- Elevator Bodily Injury and Property Damage
- · Comprehensive Liability
- · Plate Glass
- . Comprehensive Personal Liability
- . Fidelity and Surety Bonds
- · Forgery Bonds
- . Burglary, Robbery and Theft
- Fire and Allied Lines including Wind Storm (In Alabama only at present)



'A Strong Legal Reserve Stock Company"

The home of Standard

SUPPLYING ALABAMA'S



FAST-GROWING

FEATURING THE SOLID SPINDLE INSERTED BY HYDRAULIC PRESS FOR GREATER STRENGTH AND SAFETY AND EASIER SERVICING.

ENGINEERED FOR EXTRA LONG SERVICE AND MORE ECONOMICAL OPERATION FOR TRUCKERS.

AVAILABLE IN ALL WEIGHT CAPACITIES FOR ALL TYPES OF TRAILERS.



Standard Dual Axle Units



MAKERSOF

The FOSHEE CARRIER

THE MOST PRACTICAL LUMBER HANDLING TOOL ON TODAY'S MARKET.



Combining

- · SPEED · EFFICIENCY
- · RUGGEDNESS

Standard Forge Axle Company

FORGINGS AXLES BRAKES TRAILER PARTS

SLOSS

SERVING ALABAMA, THE SOUTH AND THE NATION SINCE 1881

- Pig Iron
 Foundry Coke
- Ferromanganese
- Industrial Coke
 Domestic Coke
- Mineral Wool Insulation
- Benzene, Toluene, Xylene, Toluenesulfonic Acid, Organic Intermediates, Coal Chemicals
- Sulphate of Ammonia
- Paints, Varnishes & Thinners

SLOSS-SHEFFIELD STEEL & IRON COMPANY

BIRMINGHAM, ALABAMA



TEXTILES OF ALL KINDS

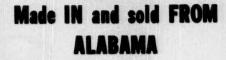




SILK HOSIERY



LUMBER PRODUCTS



The products mentioned in this advertisement represent only a few of the many varied industrial activities flour-





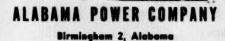
IRON





MEN'S CLOTHING

ishing in Alabama. Our Industrial Development Division will gladly prepare for you a detailed report especially related to your type of business if you are considering expansion in the South, now or in the future.









FOOD PRODUCTS





MEN'S HATS



STEEL



CHEMICALS



MILLINERY





PIPE



ARMY AND NAVY **EQUIPMENT & SUPPLIES**

A STORY WITH AN O. HENRY ENDING



(From a recent broadcast of the radio program, "The Telephone Hour.")

Twenty years ago in the busy town of Vineland, New Jersey, Nicholas and Tessie Pennino and their two-year-old daughter, Marjorie, were nearly asphysiated by coal gas fumes from a stove in their home. Mother and daughter were both unconscious when Mr. Pennino managed to crawl to the telephone and ask faintly for help before he, too, was overcome by the deadly fumes.

Miss Marjorie Pennino and Tom Shirley, radio annumeer. Miss Pennino received an ovation from the studio audience when she was introduced after the radio brondensi.

A fast-thinking telephone operator for the New Jersey Bell Telephone Company received his call, realized something was wrong, and notified a doctor. Because of that operator's alertness, baby Marjorie and her parents recovered.

But that's not the end. There's a sequel—a sequel that was played nearly twenty years later. It took place in the same kind of setting—a home filled with poisonous gas—a weak voice calling into a telephone for help, and a telephone operator on the other end who knew just what to do. The cast was different except for the principal player. For this time the operator who traced the desperate call, found the

exact location of the house, and notified the police in a matter of minutes, was none other than Marjorie Pennino.

Yes, Marjorie Pennino had grown up and joined the Telephone Company shortly after her graduation from Vineland High School. And so twenty years later, by the same kind of quick thinking that had helped to save her own life, Marjorie helped to save the life of another.

A story with an O. Henry twist, yes! But a true one! And one we think is a pretty good illustration of how telephone people like to give "that extra touch of helpfulness."

THE TELEPHONE HOUR "WITH THE BELL TELEPHONE ORCHESTRA AND FAMOUS GUEST SOLOISTS, IS BROADCAST EVERY MONDAY NIGHT OVER THE NBC NETWORK. BELL TELEPHONE SYSTEM





"What Enriches the South Enriches the Nation"

Scared

At the recent Jefferson-Jackson day \$100-a-plate dinner, so well attended by the job holders, labor bosses and other stalwarts of the party that still calls itself Democratic, President Truman accused his political opponents of using "scare" words to attack his pauperizing program. Such tactics, typical of a ward heeler, are gravely out of place in the utterances of a President of the United States, even when he is speaking to a partisan audience as the titular head of his own party.

The President erred greatly when he assumed that these "scare" words came only from his party's adversaries. Thoughtful men of both great parties are using them because they are truly scared.

And why shouldn't we all be scared? Scared, both for ourselves and our children and our inherited liberties. Scared also for the welfare of our nation, made great by a way of life now in the process of being destroyed.

We are scared because, while paying lip service to individualism, the Fabian Socialists in control of our administration are slyly heading us, step by step, into government control over our daily lives and the destruction of individual liberty.

We are more immediately scared because we have seen, and are seeing, a planned, progressive inflation of our currency with the corresponding debasement of the value of our savings and our insurance which has already been halved in the past decade, and which the planners have admitted will be divided further by their fiscal policies. We are scared of confiscatory taxes and the insatiable greed of those in power who demand them as a necessity. We are angry because of the personal burdens they inflict, but we are scared because we realize that they are drying up the wellsprings of our free enterprise society and bringing ever closer government ownership and control over the creative, wealth producing, economic elements on which our prosperity and continuing greatness as a nation depends.

We are not only alarmed by the waste involved in farm subsidies, we are scared, if we are farmers, by the spread of crop controls, and if we are urban dwellers, by the high cost of the food we consume. But, no matter who we are, we are scared by the political doctrine that advocates government control over the production of food and those who produce it. The same doctrine can be made to apply to any enterprise, yes, even to the control of labor—and who will deny that that means slavery.

We are scared by the unabashed arrogance of administration-encouraged labor bosses and the subservience of the rank and file of unionism.

We are scared of regional authorities similar to TVA that will destroy what semblance of state sovereignty still remains.

We are scared of the hordes of bureaucrats and their overstaffed bureaus, of well-meaning dreamers and selfseeking demagogues.

In short: We use "scare" words because we are Scared.

1950 Blue Book Points Way To Sales

In some ways, the year 1949 stands out as the best landmark for measuring progress made since the prewar era.

The peak of the inflationary boom reached during 1948 carries with its record too many abnormal elements to make it a satisfactory criterion.

Statistical studies made in preparation for the 1950 edition of the *Blue Book of Southern Progress* to be issued some time this month, permit a general comparison of conditions in three important years, namely 1939, 1948 and 1949.

In 1939, Southern manufacturing output, embracing the production of 16 Southern states, registered a dollar value of \$11,190 million. In 1948, the comparative figure was \$42,232 million. The forthcoming Blue Book will show \$38,950 million for 1949.

Therefrom it will be seen that the South achieved, over a ten year period, a dollar gain of 248 per cent.

This rate of growth for the South compares with 231 per cent for the nation as a whole, a growth advantage of 17 per cent.

Satisfactory as this showing may seem, it cannot be accepted by Southerners with too great complacency.

The significant fact is that while the South was racing ahead with a 17 per cent swifter rate of growth, it was capturing a far smaller proportion of national output than such a percentage might indicate.

In 1939, Southern manufacturing represented 19.7 per cent of the national total. In 1949, despite swifter growth, the region's proportion had grown by just one per cent, and now stands at 20.7 per cent.

This is by no means a bad showing, and Southern industrialists can take justified pride in well earned progress.

At the same time, it must be borne in mind that the South occupies one third of the area of the United States, and has one third of the national population within its borders.

To be truly on a par with national averages, and to have an economy that could be termed completely in balance, it is reasonable to assume that manufacturing output also should stand at approximately one third of that of the nation.

That such a consummation will unquestionably require a number of years to accomplish should be no deterrent to continuous effort to attain the desired goal.

In striving therefor, effort will not be without unceasing reward. The record shows that income in the South, as a whole and on a per capita basis, has grown at just about the same rate as that shown for manufacturing development.

Income means two things. It means higher profit for enterprisers. And it means higher standards of life for individuals. It is this dual goal which constitutes the essence of economic progress.

Along with this consideration is another that is not always accorded the significance that rightly belongs to it.

Coincident with manufacturing growth, there goes hand in hand, quite naturally, the development of other important segments of regional economy.

As manufacturing grows, raw material enterprise receives increased impetus. This consideration is especially important from the standpoint of the South which abounds in so many kinds of natural raw materials.

Furthermore, as manufacturing grows, so grows in like fashion the marts and distributing centers that make possible the marketing of manufactured products.

Power companies see greater demand for their product. Railroads and other forms of transportation find greater volume of business. Banks find their services put to wider use.

In a word, to speed manufacturing development means also speeding practically every other element in a region's economy, with consequent enhancement of economic welfare throughout the private enterprise universe.

With this consideration in mind, the staff of the Blue Book, this year, is branching out into hitherto uncharted fields of information.

In the 1950 Blue Book, the economy of the South will be depicted in its entirety, showing income and dollar output from: Farming and minor rural industries such as forestry and fishing; Mining, with breakdown into metallic, fuel and nonmetal enterprise; Manufacturing, with the traditional Blue Book breakdown; likewise Construction; and in addition, separate sections on Utilities, Finance, Trade and Service industries.

Each of these sections makes comparisons between 1939 and 1949. Each will show progress made at both the state and regional levels with applicable comparison with national totals.

Thus the growth achieved by the entire economy in correlation with development of manufacturing enterprise will be thrown into understandable perspective.

To carry the procedure a step further, probably with a somewhat different purpose in view, county breakdowns for each of the 16 Southern states will show raw materials production, manufacturing and construction output, and distributive and commercial volume for each county.

In this plan, it is expected that the advantage of statistical information will be supplemented with a new value available to those responsible for the distribution of Southern economic output.

In other words, these county breakdowns will be designed to serve as concise guides to directors of sales of all types of commodities.

For, it must be remembered that while production comes first, the ultimate objective remains unfulfilled until usable commodities have been made to reach the possession of those who can use them.

With a view to future editions, and any further improvements that may be feasible in these, it is hoped by the *Blue Book* staff that this year's readers of the *Blue Book* will comment and criticize freely.

It is from constructive criticism that most improvements of any kind are made possible; and criticism, no matter how adverse, will be highly welcome.

Middle South Area Records Rapid Growth

This four-state region is among the nation's leaders in industrial growth. The rise of bank deposits nearly four-fold in ten years has been an important contributing factor.

by Sidney Fish

THE South, during the 1940's enjoyed the distinction of having two of the three areas which showed the sharpest gain in industrial growth in the entire country.

In the industrial sweepstakes of the last decade, the four state area of Kentucky, Texas, Alabama and Mississippi recorded the third largest gain of all regions. This East South Central area was outgained only by the four Southwestern states of Texas, Arkansas, Oklahoma and Louisiana, and by the Pacific Coast area.

As against an increase of 204 per cent in value added by manufacture in the United States as a whole, for the period from 1939 to 1947, the East South Central area gained 250 per cent. This upturn was matched by a sharp increase in the four state area in the number of factory production workers, in home building, personal income, bank deposits and department store sales.

Today, the East South Central, or Middle South area had a volume of manufacturing larger than the total of the six New England states in 1939. With \$2.875,000,000 in value added by manufacture in 1947 the Middle South has a production total equal to 40 per cent of the New England total in that year, whereas in 1939, the Middle South had a volume of \$822,000,000 or only about one-third of the New England area's total at that time.

The Middle South is gaining faster than older industrial regions because new industries are being established rapidly and old ones are expanding. Favorable climate and labor supply, plentiful raw materials, cheap power and natural gas, and access to tidewater are some of the factors which are enabling this rich agricultural area to record industrial gains and thus achieve a balanced economy.

In respect to manufacturing gains the sharpest rise was recorded by Mississippi, which stepped up the value added to its goods by 311 per cent. Not far behind were Kentucky, with a gain of 301 per cent, Alabama with a gain of 257 per cent, and Tennessee with a rise of 201 per cent.

Retail sales not only showed sharper rises in the Middle South, over the eight year period, than they did in the United States as a whole, but the expansion is being sustained. In eight cities in this area between 1939 and 1948 department stores showed gains in sales ranging from 27 per cent in Chattanooga, to a maximum of 270 per cent in Nashville and Jackson. Those gains compare with an average increase in sales in the United States of only 185 per cent for the period.

State by state, in the Middle South area, the outlook for rapid industrial growth is encouraging.

In Alabama, for example, industrial wage earners, over the last decade, have risen to 280,000.

In addition to the steady growth of investments in steel plants and, paper mills. Alabama has been the scene of expansion by hundreds of small industrial companies.

Among the larger facilities, are the new \$35,000,000 Coosa Falls newsprint plant at Childersburg, Alabarna, and the new rubber plants at Tuscaloosa, Decatur, Gadsden and Muscle Shoals.

The mineral wealth of Alabama, coupled with the increased emphasis being placed on South American iron ore, means that the Alabama steel-making centers are in a strategic position for future growth. This position has been further aided by expenditures on State docks and terminals of \$25,000,000 in the last 20 years, which have made Mobile the sixth port in the nation.

Tennessee acquired 700 new industries between 1945 and the end of 1948, in addition to 500 expansions of existing plants. Since 1945, 27,000 additional manufacturing jobs have been created in the state, bringing the total employed in manufacturing to 230,000. In the first ten months of 1949, contracts totaling \$20,000,000 were awarded for plant construction or expansion.

In Mississippi, where communities are permitted by State law to issue bonds for use in building plants for new industry, forty-six industries, worth close to \$100,-000,000 have been attracted to the state during the last eight years, by use of this method. Industrial employment is up more than 55 per cent, compared with 1940. Wage earnings have risen 485 per cent in the state since 1937.

Kentucky's growth is shown by a rise of more than 100 per cent in value of all manufactured products, between 1945 and 1948. The gains have been fairly evenly divided between durables and non-durables, each of which more than doubled in value, bringing the state's output to over \$1.736,000,000 in 1948.

The well-diversified industries of the Middle South contribute an element of stability that is not found in older, highly concentrated manufacturing areas.

In Kentucky, the rise of the liquor industry, over the last ten years, has been an important factor in larger manufacturing employment, but sharp outputgains are distributed among other indus-

tries such as lumber; clothing, chemicals, and processing of cust and oil.

Kentucky accounted for over 40 per cent of all liquor produced by United States distilleries in 1947, and employment in the liquor industry in Kentucky was over four times as large as in 1939.

The lumber industry of the Middle South has grown more rapidly 'han in other sections. Alabama and Mississippi showed the largest gains during the last ten years. The likelihood that the housing boom will continue for several years makes it probable that this industry will contribute importantly to the industrial growth of the area, after a fourfold expansion in the 1940's.

Alabama and Mississippi, too, have shown the largest gains of the area in textile and clothing production. The textile industry is now the second largest in the area being outranked only by food production. Alabama now accounts for more than 4 per cent of the textile output of the country.

The biggest increases in clothing production have been in the men's and boys' lines. Dozens of men's clothing producers have set up plants in Alabama.

Chemical production has been stepped up rapidly in Mississippi and Kentucky.

In primary metals, the area's biggest gains have been in aluminum. The war period tended to develop new aluminum plants throughout the country. But the Knoxville plant of the Aluminum Company of America today accounts for nearly one-fourth of the primary capacity of the U.S. Wartime growth has established other aluminum plants in this area.

The existence of such a large share of the country's primary aluminum capacity in the Middle South means that fabricating plants will tend to locate their facilities there.

The iron and steel making industries have substantially enlarged their capacity during the last decade in the Middle South, and further growth may be expected, particularly in more diversified finishing capacity. The steel ingot capacity of the states of Kentucky and Alabama now totals over 5,000,000 tons annually, of which approximately three-fourths is located in Alabama. There new furnaces and rolling mills have been built during the last decade, through an investment of many millions of dollars.

Any intensification of the "cold war" with Russia, will mean a heavy volume of investment in the Middle South defense facilities by the Atomic Energy Commission, and other agencies of the Government. The Atomic Energy Commission and the Air Force, for example, recently announced two new projects in Tennessee which will cost more than \$35,000,000. The Middle South is selected for such plants not only because of the plentiful supply of electricity, but because they would be the easier to defend against air attack. The large land areas that would have to be traversed by hostile bombers is a key safety factor in the event of war.

The biggest attraction for new plants, however is the rise in Middle South bank deposits from \$1,620,000,000 in 1939 to \$5,-627,555,000 in 1948—a gain which insures active markets for goods.



Air view of the new \$32,000,000 Coosa River Newsprint plant at Childersburg, southeast of Birmingham, Ala. Contractors on the project were Daniel Construction Co. and F. H. McGraw & Co.; Engineers, J. E. Sirrine & Co.

Coosa Mill Means More Than Newsprint

MPORTANT as it is to the economy of the entire state of Alabama, and the South, the construction and present operation of the \$32 million Coosa River Newsprint Company's new mill at Coosa Pines is more than the story of jobs for men in the factory and in the forests.

It is the story of the realization of a man's dream; of community cooperation; of super-salesmanship.

When, in the early years of the last war, war plants costing over 200 millions of dollars and employing thousands of workers were built in Talladega county. Thomas W. Martin, head of the Alabama Power Company, and one of the South's great builders and boosters, became apprehensive as to the impact of the war's end the accompanying period of readjustment and reconversion upon the economy of this community.

For many years Tom Martin had been active in the development of industry in Alabama. Alabama Power's engineers had taken a leading part in the securing of these war industries, and Mr. Martin had long been active in the development of the great paper industry of the state.

Prompted by these and other thoughts Mr. Martin started to formulate plans for the use of these war plants when victory was achieved even as they were being put under construction in 1940.

Mr. Martin's ideas were translated into action when in the early part of 1944, the Alabama State Chamber of Commerce became interested in the possible use of these facilities in peacetime. It decided that a cooperative study should be made with this end in mind.

Accordingly, the Executive Committee of the Chamber met on the 7th of June and at that time authorization was given to J. B. Converse, Chamber President,

to appoint a committee to work out a plan of cooperation with the local groups and other interested citizens. A meeting was called of representatives of the chambers of commerce of Childersburg, Sylacauga and Talladega to meet with members of the state chamber in Montgomery on June 16. Asked to attend also were Robert Gregg, President of the Tennessee Coal, Iron and Railroad Company; W. A. Steadman, Vice-President of the Alabama State Chamber of Commerce; and Thomas W. Martin, President of Alabama Power Company.

ORGANIZATION

It was agreed, at this meeting, that inasmuch as the problem was too big for a single community to handle that a committee known as Talladega County War Plants Conversion Committee should be organized with representatives from Childersburg, Sylacauga, Talladega and the State Chamber of Commerce. The following committee was named: From Childersburg: Dr. R. P. Stock, A. H. Watwood, Horace Wilson and E. V. Ogletree; from Sylacauga: H. A. Parker, J. W. Brown, Jr., E. L. Widemire and Hugh Comer; from Talladega: T. J. Jones, H. H. Thornton, Hugh McElderry and Robert McMillan; from the State Chamber: Robert Gregg, J. B. Converse, W. A. Steadman and Thomas W. Martin.

As the work of the committee progressed, Donald Comer, Chairman of the Board of Avondale Mills, was added to its membership in 1945. Mr. Comer attended many meetings and made notable contributions to the thinking of the group and to the ultimate program.

The initial meeting of the newly organized Talladega County War Plants Conversion Committee took place



Talladega County War Plants Conversion Committee. Seated Left to Right: W. A. Steadman, John M. Ward, Thomas W. Martin, Donald Comer, E. L. Widemire. Standing Left to Right: Ed L. Norton, A. H. Watwood, H. H. Thornton, E. V. Ogletree, T. J. Jones, Dr. R. P. Stock, Robert McMillan, Horace Wilson, Hugh McElderry.

at the Tutwiler Hotel in Birmingham on July 21, 1944. Mr. Martin was elected Chairman, Hugh Comer, Vice Chairman, and John M. Ward, Secretary. As chairman, Mr. Martin stressed the importance of the task before the group, stating that the war plants had been built primarily to help win the war, that they had been extremely expensive to build and that it would be economic waste and not in the best interests of the state of nation if they were allowed to remain idle after the war was over.

PLANNING

The first step in the plan of action, as suggested by Mr. Gregg, was the employment of a highly competent engineering firm, or firms, to make a complete survey of the area, a survey which would include the availability of raw materials, the plant facilities, the workers available, future possible products, future markets and prospects.

The committee resolved that a sub-committee made up of Mr. Gregg, Mr. Steadman, Mr. Martin, (from the State Chamber), Mr. Thornton (Talladega), Dr. Stock (Childersburg), and Hugh Comer (Sylacauga) be authorized to contact engineering firms and report to the full committee the result of such conferences, with their recommendations.

The sub-committee held its first meeting at Birmingham on July 27, 1944, and in addition to all members of the committee being present, also in attendance were John Ward and F. Clayton Albert of the State Chamber; L. M. Smith of Alabama Power, and by invitation of the Chairman, Mr. J. E. Sirrine and Allen S. Bedell of the engineering firm of J. E. Sirrine and Company, Greenville, S. C.

Mr. Martin explained the origins and purposes of the committee and the type of survey that was contemplated, and Mr. Sirrine and Mr. Bedell indicated that the cost of such a survey would run anywhere from a minimum of \$12,500 to a maximum of \$25,000, explaining that a definite figure could not be given until the engineers began work and obtained a clearer under-

standing of what information was available and what would be needed to accomplish the purposes of the committee. A budget of \$25,000 was authorized. Spokesmen for the various groups in Talladega County agreed to raise 50 per cent of the total cost, and Mr. Martin agreed that Alabama Power Company would assume 25 per cent of the total cost. From other sources it was indicated that the balance would be raised.

THE SURVEY

With the underwriting of the entire proposed budget appearing to be a certainty, the committee employed J. E. Sirrine and Company to undertake the proposed engineering survey and complete it as soon as possible.

On August 23 a meeting was held to discuss the survey. At this time the committee authorized the chairman to employ the engineering firm of Polk, Powell and Hendon of Birmingham, and Milton H. Fies, consulting engineer of Birmingham, to join the Sirrine company in making the study and survey. The survey was to consist, among other things, of the following:

- A physical property inventory which would cover
 - (a) Engineering and technical details of the equipment, of buildings, structures, utilities of various sorts, railroads, highways and power plants.
- 2. A general survey of the resources, both human and natural, including:
 - (a) Raw materials of various kinds, particularly forest products, economically available within the area, within the state or within the adjacent territory.
 - (b) Transportation, freight rates and similar matters in connection with the making available of various raw materials at this project.
 - (c) Working conditions, wage rates, laws, housing conditions, probable number of



TOM W. MARTIN, President of Alabama Power Co., whose dream became a reality when mill was built.

workers available after the war, and other similar items under this heading.

- An analysis of Alabama tax laws; corporate, state and county.
- Conclusions and recommendations as to suitable industries which might utilize these plants economically.

INDUSTRIES SUGGESTED

After a careful study that lasted several months, the engineers reported on several plants. A bag loading plant at Talladega would be particularly suitable for a variety of purposes such as sewing operations, laundering, woodworking and others.

The plants near Childersburg, because of their size and design for explosives manufacture, presented more complex problems. On these the engineers reported that: the number one unit of the plant of the Alabama Ordnance Works with its 25,000 kilowatt electric power plant, its water facilities and rail connections could be utilized in the manufacture of newsprint. With



ED NORTON, Birmingham business man, who was driving force behind financing the Coosa project.



DONALD COMER, Chairman of Avondale Mills, who took a leading part in the Talladega County work.

this information in hand Allen S. Bedell and Tom Martin met with Victor H. Hanson of the Birmingham News in October of '44 and discussed with him the possibility of using some of the facilities at Childersburg for the production of newsprint paper. Mr. Hanson liked the idea and visited the Childersburg property later in the year with several Birmingham business men. As a result of Mr. Hanson's interest, the Newsprint Mills Committee of the Southern Newspaper Publishers Association indicated an interest in the site. Others holding Mr. Hanson's views as to the possibilities of the Childersburg property were Carl B. Short, a past president of the SNPA and George Biggers of the Atlanta Journal, both of whom visited the properties.

Upon the death of Victor Hanson in 1945, Major Clarence Hanson, Jr. joined the committee, and he became chairman of the Newsprint Mills Committee, SNPA. A meeting of this committee was called for January 27, 1946 at the Biltmore Hotel in Atlanta to discuss the subject of a mill and was attended by representatives of the Talladega committee. The economics of the Childersburg site were presented by Messrs. Bedell Comer and Martin; and after much discussion, the site was selected as the best.

In a letter from Major Hanson to Mr. Martin, he advised that the Newsprint Committee was instructed by the Board of Directors to give the Talladega Committee its exclusive cooperation, and to work with them to accomplish the incorporation, financing and erection of a newsprint mill at Childersburg.

COOSA VALLEY DEVELOPMENT CORP.

As the work of the Talladega Committee progressed it was decided that the facilities located at the city of Talladega should be handled by a separate group and accordingly the Coosa Valley Development Corporation was organized by the citizens of Talladega early in January of '46, under the leadership of Herbert M. Ponder. This group was eventually successful in purchasing the Talladega facilities from the War Assets Administration. This was accomplished on September 30, 1946. Many of these facilities have been disposed



One of the two great machines built by Beloit Iron Works, of Beloit, Wis. View is of wet end of machine, showing Fourdinier in foreground, and drier which removes moisture from sheets. Controls are mounted in cubicles.

of to manufacturing concerns. Goodall Co., manufacturer of men's and boys' clothing, was the largest to come in. The facilities are being operated by private concerns which give employment to several hundred Alabama citizens, and are a permanent part of the state's industrial set-up.

COOSA RIVER NEWSPRINT CO.

The efforts of the Talladega Committee with regard to the facilities at Childersburg were destined to be crowned with success. Unusual efforts were being made to work out a program, and in February of 1946, representatives of the Newsprint Mills Committee and the Talladega Committee went to Washington to obtain additional information as to the attitude of government officials towards the purchase or utilization of government land and facilities at the Alabama Ordnance Works at Childersburg. They were encouraged to proceed with the negotiations, and later at a meeting in March, a report was made on all phases of the effort. It was at this meeting that the Coosa River Newsprint Company was formally organized according to the laws of Alabama.

ED L. NORTON

With the incorporation of the company, another important name was added to those already connected with this project—Ed L. Norton of Birmingham was elected president of the company. The work of this man, in company with Donald Comer, Clarence B. Hanson and Walter Bouldin, who comprised the counsel for the committee, throughout the various discussions and

negotiations with representatives of the government was of the utmost importance. They deserve the greatest credit for the patience, skill and business judgment that they exercised.

LEASE AGREEMENT

The above-mentioned negotiations resulted in the lease and purchase agreement of June 30, 1947. The agreement would be of importance even if it did no more than bring into production an idle facility from which taxes will flow to federal and state governments, save the federal government money, open additional employment opportunities to many hundreds of people either directly or indirectly in operations or in timber growth and harvesting. The real importance lies in the contribution that such a plant will make to the general economy of the area. In addition to its importance in itself as it directly affects the supply of newsprint and encourages the most modern forestry methods, it is a big step forward in the industrial progress of the South.

To insure the continuous operation of the Coosa River Newsprint Company in the event that electric power is required for reactivation of the government powder plant under the terms of the government lease, Alabama Power Co. has agreed to furnish up to 25,000 kilowatts of electric power required for operation of the newsprint plant. The power company has also agreed to grant to the newsprint company the exclusive right to cut pulpwood, under certain conditions, on 50,500 acres of Power Co. lands in the area in order that no delay would be encountered in getting the plant into operation and keeping it running.



W. L. BAKER, president, City Commission, Talladega, Alabama.



C. B. HANSON, publisher of the Birmingham News and Age-Herald.



ED. J. HOWARD is Mayor of rapidly growing Sylacauga, Alabama.

After completion of the lease of the Coosa River Newsprint Co., an extensive study of the No. 2 plant facilities was prepared by the Power Co's. Industrial Development Division in collaboration with the Talladega Committee and its engineers. This study was presented to rayon, plastic and carpet manufacturers with the view of interesting them in the facilities at Childersburg.

PLANT NO. 2 LEASED

The Committee's efforts bore fruit. Several rayonyarn producers evidenced considerable interest and visited the site and made inspection of the facilities. One of these, Beaunit Mills, Inc., through a subsidiary, American Development Co., has obtained a long-term lease, by the Federal Government, for the No. 2 power house and other facilities. Beaunit, an old and highly regarded textile firm is constructing a multi-million dollar rayon-yarn plant, having a capacity of ten million pounds per year. This is Alabama's first such plant, and its entire production will be absorbed by the firm's weaving and knitting operations.

TENNESSEE COPPER

The publicity that attended the work of the Talladega War Plants Conversion Committee at Childersburg drew another industrial prospect into the area. The Tennessee Copper Co. became interested in using some of the sulphuric acid plant, and negotiations with the committee resulted in a lease-contract with the War Department for the company. The plant is now in full operation, producing sulphuric acid for various fertilizer programs.

With this plant in operation, most of the war-time facilities in Talladega County have been reactivated for peacetime production.

PHYSICAL PLANT

What of the physical characteristics of Alabama's new \$32 million newsprint plant, the first new source of such paper in the United States in the last decade and the second plant of its kind in the South?

Twenty buildings ranging in size from the 1,114-foot main structure down to the 20 by 26-foot wood receiving office were constructed for the Coosa River Newsprint Co. by Daniel Construction Co., of Birmingham, Ala., and Greenville, S. C., and F. H. McGraw & Co. of Hartford, New York and Chicago.

Unique and ultra-modern is the low office building designed in the shape of a "V," 40 feet thick and 140 feet long on each wing. Brick and with a wide-over-changing roof slab to shield its interior from the hot Alabama sun, the building is decorated within with Kimberly-Clark wall paper of high quality and artistic design.

Approximately 3,500 railroad carloads of materials, plus 5,300 truck deliveries of materials were required during construction which was finished in less than two years since ground was broken April 17, 1948. Structural steel totaled 6,176 tons; reinforcing steel, 1,900 tons; concrete, 45,000 cubic yards; forms, 620,000 square feet; roofing, 250,000 square feet and brick numbering 1,050,000.

Daily capacity of the great plant, which is being operated and managed under direction of Executive Vice President A. G. Wakeman, is 146 tons of dried, fully bleached Kraft pulp; 74 tons of semi-bleached Kraft pulp for use in newsprint; 294 tons of groundwood for use in newsprint and 350 tons of newsprint.

Construction was awarded jointly to the Daniel Construction Co. of Greenville, S. C., an established Southern Company experienced in the building of textile mills, and to F. H. McGraw Co. of New York and Hartford. Engineering was done by Kimberly-Clark's engineering department and by J. E. Sirrine Company, which had made the original survey from which the recommendations had first come. Key construction personnel were selected from the several concerns.

When construction began, the original schedule called for production in the Spring of 1950 (it was expected the mill would be two years in building). The first production of the mill actually was turned out last December 5 when the pulp mill started operating; indicating how start-up dates have been surpassed.

Amount of building and machine erection to be done was substantial. It included all the buildings and equipment needed to complete the mill other than the power house and the water plant acquired from the government. The main building, 1,116 by 230 feet, contains



HUGH DANIEL of Daniel Construction Co. helped build Coosa Mill.



C. S. STRIKE, head of F. H. McGraw & Co., co-builder of Coose Mill.



HUGH COMER, one of group of civic leaders working on project.

the major part of the manufacturing equipment and shops. Another building includes the receiving office and wood room. Others are the chip bin storage, recovery building and causticizing area. The first building to be completed was the modern red brick V-shaped office building, which has been in use by the growing administrative group for some months.

Paper is being produced on two modern, high speed newsprint machines designed to turn out 300 tons daily of high quality product. Pulping facilities include both groundwood and chemical equipment. The former are rated at 250 tons daily, all of which will go into the manufacture of paper at the mill. Part of the sulphate production will be used in newsprint and the remainder sold for other uses. Under terms of Kimberly-Clark's contract, they will buy this sulphate pulp.

Because of the nature of southern wood, it is not stockpiled for long periods like northern varieties. Plans are for a woodpile with a maximum of three weeks' supply. The first wood received was purchased on December 1, 1949. This situation indicates a steady, year round flow of wood to the mill closely geared with mill consumption.

Details on equipment installed include the following: Paper Machines: two 226-inch, made by Beloit Iron

The Fourdrinier is level and the wire length is 100 feet 6 inches. Fourdrinier runout beams are all boxed with stainless steel. The whitewater trays are stainless steel.

The six flatboxes are also stainless with wax impregnated endgrain maple covers.

The suction couches are 42-inch diameter and are equipped with double suction boxes.

The two suction presses are straight through presses with 36-inch diameter rubber covered shells and 36-inch diameter granite top rolls.

The dryer section consists of 54 5-foot diameter paper dryers and 10 4-foot diameter felt dryers. The dryers will carry 6 dryer felts.

The calender stacks have 11 rolls with a 34-inch diameter bottom roll, 20-inch diameter second roll and 16-inch diameter intermediate rolls.

Steam supply to the dryers is divided into three sec-

tions. Temperature and differential control instruments are by Brown.

Condensate removal system is Midwest-Fulton vacuum system.

Paper Machine drive is General Electric Amplidyne system.

All ventilation for the machines and machine room is by J. O. Ross Engineering Co.

Both machines have been balanced dynamically to run over 1800 f.p.m.

Screens, of which there are four for each machine, are 3-A Bird Screens with 20-cut plates.

Flat screen is by Impco with Dunbar Drive.

Pumps include Goulds, Binghams, Allis-Chalmers, Worthington and Jennings.

All vacuum pumps were supplied by Nash.

Calender stack doctors are all by Vickery.

All other doctors are by Lodding.

Paper Machine stuffmeter is by Trimbey.

All air motors on the machines were supplied by

Ingersoll-Rand.
Paper Machine oiling system was furnished by

Wire pits, couch pits, tray collectors, etc., are all tile lined by Stebbins Engineering Co.

Air operated steam control valves are by Fisher Governor Co., and are all equipped with Moore Products Co., valve positioners.

Suction box cover conditioner was supplied by Eastwood-Nealley Corp.

Roll grinder was furnished by Farrel.

Automatic pH control instrumentation came from Leeds & Northrup.

Vacuum recorders, level controllers and recorders were all supplied by Brown.

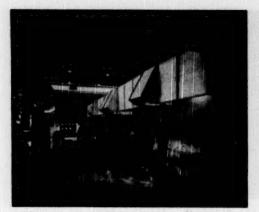
Speed reducers on the paper machine drives are all from Falk Corp.

Agitators in the couch pits and broke disintegrators were supplied by Impco.

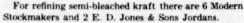
In Stock Preparation:

All chests are tile installed by Stebbins Engineering Co.

Chests are all equipped with Impco agitation driven through Falk reducers.



Control systems pictured above were made by Brown Instruments Division, Minneapolis-Honeywell Regulator



Broke thickeners (2) are 8 foot diameter by 16 foot long deckers made by Oliver United Filters.

Broke Jordans (4) are Jr. No. 2 Emerson Jordans. All consistency regulators are by Trimbey Machine Works and each one is equipped with a Bristol Motion Recorder.

Stock proportioning will be done with Fischer & Porter Flowmeters, a separate system for each paper machine.

Pumps include Worthington, Allis-Chalmers, Goulds and Binghams.

Roberts Grinders: Made by Appleton Machine Co., Appleton, Wis.; Stone—62-inch by 66-inch—artificial abrasive by Norton Stone Co. and Carborundum, New York; Westinghouse Electronic Controller; Allischalmers grinder motor, 257 R.P.M., 3500 H.P., No. of Grinders—5.

Coarse Screen: Vibrating type, made by Allis-Chalmers, Milwaukee, Wisconsin; capacity 250 tons/day. No. of coarse screens—1.

Primary Screens: Cowan Centrifugal Pulp Screen made by Montague Machine Co., Turners Falls, Mass.—capacity 75 tons/day. No. of screens—4.

Vortraps: Made by Nichols Freeman Engineering. Primary: 10 units, 10 inch, rubber lined. Secondary: 3 units, 4 inch, rubber lined. To remove grit from 250 tons/day.

Deckers: Made by Oliver United Filters, Inc., New York City. 5 units—8 foot by 16 foot—two water legs —capacity 250 tons a day. Vats are stainless steel lined, rubber covered drum.

Haug Drainers: Made by Anton J. Haug, Inc., Nashua, N. H.—3 units.

Bauer Refiners: Made by Bauer Brothers Co., Springfield, Ohio—3 units, Type No. 400, Capacity 10 tons each.

Secondary screen: Cowan Centrifugal screen made by Montague Machine Co., Mass.

All stock tanks are tile or tile lined, installed by Stebbins Engineering Co.

Instruments for consistency control throughout the



Co. At left, brown stock washers wash stock free of chemical. Right, multi-stage bleach system.

system are Bristol, Askania and Trimbey. Liquid level instruments are by Brown. Temperature Controllers on grinders are by Taylor.

Vertical type pumps made by Bingham Pump Co., Portland, Ore.

Horizontal type pumps made by Gould, Seneca Falls, N. Y.

The pulp mill is divided into two sections from the digesters through the bleach plant; designed so that pulp for the newsprint machines will be made and handled entirely separate from that which is machine dried for sale.

Pulp Mill equipment is as follows:

Digester Room: Four—3300-foot—3 capacity Smithweld digesters lined with 316 stainless steel made by A. O. Smith.

Two—3600-foot—3 capacity steel digesters made by A. O. Smith, used for making newsprint pulp.

Instrumentation is by Foxboro; chip loading is Weightometer controlled.

Two—4 digester capacity blow tanks, blow heat recovery and gas relief heat recovery systems are fiber making.

Washer Room: two lines of three washers in series by Improved Machinery Company. One line is 8 by 10 and the 8 by 6 on the newsprint side. Instrumentation was supplied by Brown.

Screen Room: Stock for the newsprint side is screened on rotary screens only. On the line making machine dried pulp the brown stock is screened on rotary screens and the bleached stock screened on flat screens. Reject from the rotary screens is handled on a flat tailing screen. Major equipment was supplied by Improved Machinery Co. Instrumentation was supplied by Brown.

Bleachery: The newsprint line—3 stage bleaching—is carried out by: 1. Low density chlorination; 2. High density caustic extraction; 3. High density hypochlorite bleaching.

Major equipment was supplied by Improved Machinery Co., Instrumentation was by Brown.

Drying Machine: The feltless wet machine and press section was made by Improved Machinery. Pulp is dried



Rear view of pulp mill with blow tank and cyclone separator at right of group of tanks. Corrugated Transite, a Johns-Manville product was used in the construction with the exception of the front where brick was used.

in a Flat dryer. The cutter was supplied by Paper Machinery, Ltd., and the sheet handling system by Mathews Conveyor Co. The pulp is pressed before baling in a Baldwin Press.

Evaporators: Liquor is concentrated before burning in a six state Swenson Evaporator equipped with surface condenser for heat recovery.

Recovery: Liquor from the Evaporators is burned in a Combustion Engineering recovery unit. Bark is burned in a B & W bark unit.

Causticizing: Green liquor is causticized and white cooking liquor prepared in a Dorr continuous unit.

Bleach liquor is made continuously by single pass chlorination of lime and subsequent settling of sludge and washing of same. This unit is run as a part of the caustic department. Instrumentation was supplied by Brown, Instruments Division, Minneapolis-Honeywell.

Lime Recovery: Lime is burned in a 180-foot Allis-Chalmers lime kiln. Mud is filtered on a 6 by 5 Swenson mud filter. Heat is supplied by a Morgan gas producer or by burning oil directly.

Wood Preparation: Wood is conveyed on Link Belt conveyors to two fibre making process drums for barking. Wood for either groundwood or the sulphate mill is selected and sent to the Groundwood mill for grinding or chipped in a Murray 10-knife chipper, screened on Rotex screens and conveyed to an outside chip storage bin. Chips are metered from this bin by means of a weightometer to the digesters making sulphate pulp.

IMPACT ON THREE COMMUNITIES

The progressiveness of the communities that are affected by the tremendous new payroll—Childersburg, Sylacauga and Talladega—is reflected in new civic developments that are running into millions of dollars. New streets and roads have been built, water and sew-

age systems have been extended, new schools have been built and hospital facilities have been increased. New churches, libraries, playgrounds and parks are also appearing in good number, and housing facilities are keeping pace with the addition of payrolls. The plant will provide permanent employment for about 750 persons, the vast majority of whom will be recruited locally. In addition, the furnishing of pulp wood to the plant will require the services of 1500 additional people. The mill's payroll will approximate \$2,500,000 annually.

IN PRODUCTION

The first newsprint from this giant mill, in which 128 newspapers have invested money, and from which 119 newspapers will purchase some of their stocks, began rolling out on January 18 of this year in a history-making step toward the greater industrial development of the South. The plant, which was designed and built by Kimberly-Clark Corp, of Neenah, Wis., and is now being operated by that firm, will consume approximately 230,000 cords of pulp wood and 160,000 tons of coal annually at a peak production of 100,000 tons of newsprint a year. Most of the raw materials will be purchased in Alabama, many of them coming from the territory surrounding the mill.

Officers and directors of the Coosa River Newsprint Co. are: Officers: Donald Comer, Chairman; E. L. Norton, President; A. G. Wakeman, Exec. Vice President & Gen. Manager; Ralph M. Watt, Vice President (sales); W. H. Clifford, Treasurer; P. A. Bachelder, Ass't Sec. & Ass't Treasurer; Walter Bouldin, Sec. Directors: Donald Comer, Chairman; E. L. Norton, Thomas W. Martin, Roy Roberts, Stuart M. Chambers, C. B. Hanson, Jr., J. F. Tims, Jr., E. K. Gaylord, C. G. Parker, Ernst Mahler, J. R. Kimberly, A. G. Wakeman, and Ralph M. Watt.

CONSTRUCTION



VETERANS HOSPITAL, Shreveport, La. Brick work nearing completion on the main hospital buildings.

February Awards Total \$227,155,000

By S. A. Lauver News Editor

REVERSING the downward trend registered in January, southern construction totaled \$277,185,000 in value during February to show a gain of more than nine per cent over the preceding month's level and of forty-three per cent above the total for February of last year.

The current accumulation of construction contracts awarded in the sixteen states below the Mason and Dixon line is \$530,431,000, or seventeen per cent greater than the \$452,923,000 recorded in the first two months of 1949.

February's larger total, which was responsible for the higher aggregate for the two-month period, was mainly bolstered by rises in public building and highway and bridge construction. The former was up fifty-nine per cent; the latter, in excess of twenty-seven per cent. Engineering construction rose five per cent. Private building was down seven per cent; industrial award value, six per cent.

Elements of the February total, in the order of their dollar value, were the \$94,-374,000 for private building; the \$61,037,000 for highways, streets and bridges; the \$51,411,000 for public building; the \$36,-002,000 for engineering construction and the \$34,301,000 for industrial construction.

Public building, where the largest increase occurred, embraces \$33,064,000 for schools and \$18,347,000 for government buildings, including hospitals. The government building figure is about seventy-eight per cent higher than the January total for such work. School contracts

showed a fifty-one per cent gain.

Private building, with its \$94,374,000 total, reflected a slackened residential construction pace in the South. The \$70,372,000 for dwelling work was twelve per cent lower than in January. Assembly structure values amounting to \$9,996,000 represented a rise of sixty-seven per cent. Other types of private building dropped in February—commercial building, three per cent; office buildings, about two per cent.

Two of the categories in the engineering construction field rose slightly; one declined. Dams, drainage, earthwork and airport construction with its \$24,473,000 total was an increase of almost two percent; water and sewer work, about twenty-three per cent. Government financed electric projects amounted to \$3,084,000, a drop of nine per cent.

The \$61,087,000 for highways and bridges was one of the bright spots in the southern construction picture. Only two months in the post-war period have seen larger totals. These were in May, of 1948, when the figure was \$62,570,000, and the \$62,073,000 for August, 1949, when Maryland awarded the major contracts for the \$42,000,000 bridge across the Chesapeake Bay. Virginia last month was the scene of another huge water-spanning project, this one to cost \$23,000,000 and involve a tunnel and bridge combination.

The \$530,431,000 total for the elapsed months of 1950 is the largest on record for that period, with perhaps the exception of the war days when large amounts of government construction were not included for security reasons. Two-month totals for the five years, however, are: 1945, \$205.061,000; 1946, \$230,999,000; 1947, \$250,675,000; 1948, \$394,660,000, and 1949 \$452,923,000.

SOUTH'S CONSTRUCTION BY STATES

	February, 1950 Contracts Contracts to be		Contracts Awarded First Two Months	Contracts Awarded First Two Months
	Awarded	Awarded	1950	1949
Alabama	\$8,437,000	\$38,563,000	\$13,243,000	\$11,760,000
Arkansas	7,692,000	45,399,000	9,380,000	4,961,000
District of Columbia	3,416,000	48,793,000	10,364,000	26,289,000
Florida	19,176,000	61,956,000	35,644,000	44,444,000
Georgia	8,768,000	102,773,000	18,604,000	21,005,000
Kentucky	1,996,000	8,370,000	4,560,000	5,936,000
Louisiana	27,730,000	61,610,000	55,360,000	31,088,000
Maryland	31,982,000	168,237,000	52,275,000	26,582,000
Mississippi	14,215,000	85,814,000	17,642,000	12,105,000
Missouri	9,241,000	44,387,000	21,480,000	11,981,000
North Carolina	13,903,000	49,952,000	23,316,000	41,962,000
South Carolina	8,738,000	25,782,000	12,895,000	11,813,000
Oklahoma	9,522,000	466,993,000	26,014,000	24,248,000
Tennessee	12,777,000	30, 261,000	32,477,000	23,402,000
Texas	63,113,000	219,746,000	123,886,000	139,618,000
Virginia	34,288,000	13,450,000	70,541,000	13,044,000
West Virginia	2,161,000	8,480,000	2,750,000	2,685,000
TOTAL	\$277,155,000	\$1,420,566,000	\$530,431,000	\$452,923,000

Private building was the most substantial constituent of the current \$530,-431,000 two-month total, the figure for such work being \$196,597,000 embracing \$152,226,000 for residential building; \$16,-497,000 for commercial structures such as stores and restaurants; \$15,967,000 for assembly buildings (churches, theatres and auditoriums), and \$11,907,000 for office buildings.

Public building, although strong in February, for the two months is down when compared with the similar period of last year, with a difference of twenty-nine per cent. Current public building totals \$83,591,000 and includes \$28,640,000 for government buildings and hospitals, and \$54,931,000 for schools.

Engineering construction in the two months is up about twenty-five per cent. The total is \$70,245,000 and its components, \$48,509,000 for dams, drainage, earthwork and airports, \$15,259,000 for sewer and water work and \$64,477,000 for government-financed electric projects. The figure for dams, drainage, earthwork and airports is up eighty-four per cent. Both other categories showed declines, that for sewer and water work being twenty-four per cent.

Highway and bridge construction for the two months amounted to \$108,952,000, a rise of almost fifty per cent. Virginia tops the list of states with \$47,556,000, not only because of the \$23,000,000 bridge-tunnel award, but of important lettings in the first month of this year. Texas awards, so far, amount to \$9,151,000, with other states above the five million dollar mark including Florida, Georgia, Louisiana, Maryland, North Carolina and Tennessee.

Competition as "fierce" as that of the middle 1930's is prevailing in the construction industry, according to the results of a survey made recently by the Associated General Contractors of America, which revealed that construction costs have stabilized or are tending to stabilize at approximately ten per cent below the peak of 1948, with little likelihood of a drastic change.

Building construction costs—for industrial, commercial and large scale residential projects—were reported stabilized at an average of 8.5 per cent below the peak. Highway construction costs, including airports, are averaging 12.8 per cent below the peak, with declines continuing in many areas. Heavy construction costs—railroads, bridges, dams, water works—averaged 10 per cent from the peak.

A large volume of work is being placed on the market, the A. G. C. statement declared, thus indicating that 1950 can be another year with a record volume of construction on a national scale. The contractors report an adequate supply of materials, machinery and manpower, generally. Labor productivity and efficiency of contracting organizations continues to increase.

The survey, however, was made before the current critical economic situation was apparent from the coal strike. The A.I.S.I. reported late in February that the operating rate of the steel industry, which was preparing to further curtail its activities was 88.8 per cent.

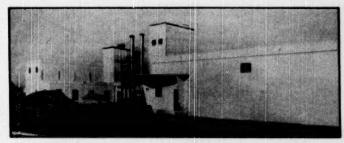
CONSTRUCTION



SUNPAPERS PLANT Building to house Baltimore newspaper nears completion.

SOUTH'S CONSTRUCTION BY TYPES

	February, 1950		Contracts Awarded First Two	Contracts Awarded First Two
PRIVATE BUILDING Assembly (Churches, Theatres, Auditoriums, Fraternal) Commercial (Stores, Restaurants, Filling Stations, Garages) Residential (Apartments, Hotels, Dwellings) Office	Contracts Awarded	Contracts to be Awarded	Months 1950	Months 1949
	\$9,996,000	\$17,000,000	\$15,967,000	\$18,558,000
	8,124,000	6,410,000	16,497,000	20,613,000
	70,372,000 5,882,000	11,450,000	152,226,000	15,705,000
	\$94,374,000	\$115,780,000	\$196,597,000	\$134,984,000
INDUSTRIAL PUBLIC BUILDING City, County, State, Federal and Hospitals Schools	\$34,301,000	\$133,965,000	\$71,016,000	\$71,439,000
	\$18,347,000 33,064,000	\$94,491,000 74,924,000	\$28,640,000 54,951,000	960,311,000 57,420,000
ENGINEERING Dams, Drainage, Karthwork, Air- ports Federal, County, Municipal Elec- tric Sewers and Waterworks	\$51,411,000	\$169,415,000	\$83,591,000	\$117,731,000
	\$24,473,000	\$604,704,000	\$48,509,000	\$26,299,000
	3,064,000 8,445,000	54,829,000 126,445,000	6,477,000 15,259,000	9,283,000
	\$36,002,000	\$785,978,000	\$70,245,000	\$55,843,000
ROADS, STREETS AND BRIDGES	\$61,067,000	\$715,428,000	\$108,952,000	\$72,924,000
TOTAL	\$277,155,000	\$1,419,566,000	\$530,431,000	\$452,925,000



NEW PLANT of the Logan-Long Roofing Co. recently built at Tuscaloosa, Ala.

SOUTHERNERS AT WORK

Southern Pulpwood Assoc. Holds Annual Meeting in Atlanta

Approximately 200 representatives of the Southern pulpmills and independent suppliers of pulpwood, representatives of public forestry agencies, and landowners attended the annual meeting of the Southern Pulpwood Conservation Association, which was held in Atlanta, Georgia, at the Atlanta Biltmore Hotel, on Wednesday, February 15.

President E. J. Gayner, 3rd, Vice President and General Manager of the Brunswick Pulp & Paper Company, Brunswick, Georgia, opened the morning program with an address of welcome and a summation of the Association's activities. This was followed by the report of H. J. Maisberger, General Manager of the Association. The fourth forestry educational film produced by the Association was shown, the title of which is BIRTH OF A SOUTHERN PINE.

Mr. W. K. Beichler, State Forester of North Carolina, described the manner in which a state forestry program is planned and discussed the State Foresters' legislative proposals, Mr. William Duerr, Chief of the Division of Forest Economics of the Southern Forest Experiment Station at New Orleans, discussed "Guides to Profitable Forest Management," information of extreme value to all who are responsible for the management of millions of acres of forest lands throughout the South, Mr. Vertrees Young, Executive Vice President of Gaylord Container Corporation, presented the costs and incomes of that company's 55,000 acre plantation. This information, based

upon actual experience of the largest

continuous plantation in the United

States, is of extreme value to forest land

managers.

Mr. W. J. Barker, Forest Extension Leader for the Extension Service in South Carolina, opened the afternoon program by outlining the manner in which that agency conducts effective forestry work with the small woodland owner throughout that state. The independent businessmen who supplied the pulp industry in the South with about 11% million cords of pulpwood last year was represented by Mr. A. W. Pitts, of Pittsview. Alabama, who discussed methods used in successfully operating a conservation program in his area and how it has benefited his business. The remaining portion of the afternoon program was devoted to a discussion of the Association's activities as they are viewed by Directors of the Association who are Chairmen of their particular areas.

Covington-Virginia Chamber Re-elects Taylor, President

John W. Traylor, Jr., Manager of Traylor Furniture Company, has been re-

elected as president of the Covington-Virginia Chamber of Commerce. Other officers elected were: H. W. Robertson, Sr., owner of the Covington Amusement Company and former Mayor of Covington, as Vice President, and T. I. Hardy, Executive Vice President of the Covington National Bank, as Treasurer. Peter A. Reavis will continue as Executive Vice President and Secretary. Mr. Reavis is currently serving as President of the Virginia Association of Chamber of Commerce Executives.

C and P Elects Three To Board of Directors

The Chesapeake and Potomac Telephone Co. of Baltimore City, recently announced the following Marylanders to the board of directors; George H. French, president of the Maryland Drydock Company, Donald H. Sherwood, vice president and treasurer, Ellicott Machine Corporation, and Clifton W. Phalen, vice president, American Telephone and Telegraph Company.

Decatur Iron and Steel Advances Two Officers

Decatur Iron and Steel Company, Decatur, Alabama recently announced that J. F. Scroggins, formerly executive vice-president has been elected president of the company. Thomas J. Kelley, Jr., consultant in the Jail and Prison Division, of the Decatur Iron and Steel Company has been promoted to vice-president.

SWRI Announces New Technical Staff Appointments

New appointments augmenting the technical staffs of Southwest Research Institute of Houston and San Antonio, Texas, and its affiliated organization, the Institute of Inventive Research, were announced recently by Dr. Harold Vagtborg, Director.

Appointments to the staff were: Donald Abbott of New York City, who has conducted research in atomic energy, building construction and mining; John R. Barton of Atlanta, Ga., whose special fields are engineering mechanics, thermodynamics, electronics and instrumentation; Donald W. Cartner of Kansas City. Mo., whose special fields are industrial and product design; Virginia May Guido of San Antonio, whose special research fields are zoology, bacteriology and protozoology; Richard Hatfield of San Antonio, whose fields of specialty are physical chemistry; Carlton Herbel of Kingsville, Texas, research agronomist for the Institute, specializes in agronomy and animal husbandry; R. Paul Langilina's of San Antonio, whose special fields are

embryology and comparative anatomy relative to medicine and its study; Herman Levin of Baton Rouge, La... considers his special fields as chemical processes and equipment; Jack Louthan of Chicago, research engineer who specializes in automotive test work; John W. Rhoades of Binghamton, N. Y., whose special fields are physical chemistry and equipment development and John M. Taylor, Jr., of San Antonio, whose special fields are analytical chemistry and mathematical correlation of experimental data.

Appointments to the staff of the Institute of Inventive Research which assists inventors in patenting and licensing inventions, include: John B. Porter of San Antonio, a project engineer, who was formerly construction engineer and superintendent for R. P. Farnsworth & Company.

New Officers Named By New Orleans Traffic Group

Francis J. Treuting, traffic manager of Anderson Clayton and Company, New Orleans, was elected president of the New Orleans Traffic and Transportation Bureau. He succeeds Mr. C. A. Bertel, president and general manager of Cotton Trade Warehouses.

J. M. Shaw, district manager of Luck-enbach-Gulf Steamship Co., Inc., was elected first vice-president, and P. B. Lusk, owner of Lusk Shipping Co., New Orleans, was elected second vice-president.

The Bureau was organized in 1914 to protect the transport rate system for commodities moving in and out of New Orleans. It was reorganized in 1945 in order to expand its operations.

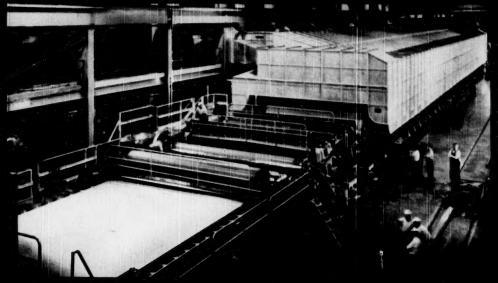
Other officers elected were: A. M. Crighton, secretary-treasurer of Gulf Shipside Storage Corp., secretary-treasurer; Louis A. Schwartz, General Manager; E. B. McKinney, Assistant General Manager; Edward A. Winter, Assistant General Manager. Miss O. E. Jackson was reappointed Assistant Secretary-Treasurer.

Atlantic Steel Company Elects Three Directors

Atlantic Steel Company of Atlanta, Georgia recently elected three new directors at a meeting of the company's stockholders, C. B. McManus, president of the Georgia Power Company, and two Atlantic Steel vice presidents, Joseph H. Girdler and Howard B. Johnson.

Girdier, a graduate of Lehigh University, came to Atlantic Steel in 1941. Prior to his election as a vice president in 1949, he served as Open Hearth Superintendent. He is now vice president in charge of operations.

A graduate of Georgia Tech, Johnson has served the Company in various capacities since 1933. He was elected a vice president in June, 1946, and is now vice president in charge of sales and finance. The stockholders re-elected all officers of the company.

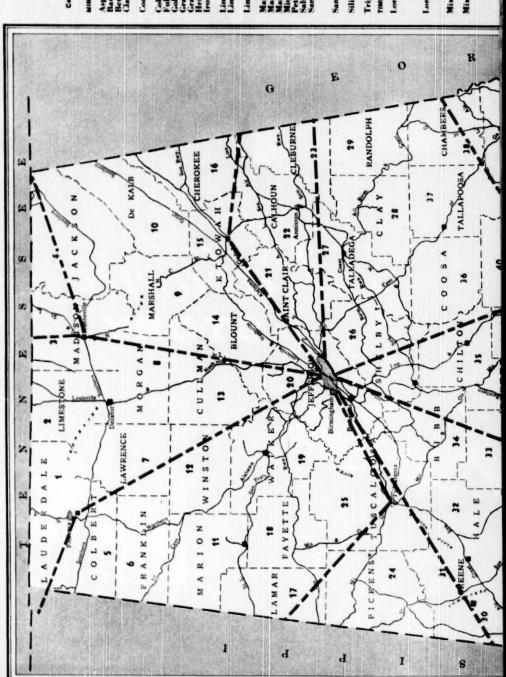


New...at Coosa River

Congratulations to Coosa River Newsprint Co. and to Kimberly Clark Corp. for the expertly planned and executed operation at Childersburg. Ala. The recently completed No. 1 machine is shown here. The second 286 Beloit Newsprint Machine is nearing completion in this all-new illant



ALABAMA Its principal raw materials and transportation facilities.

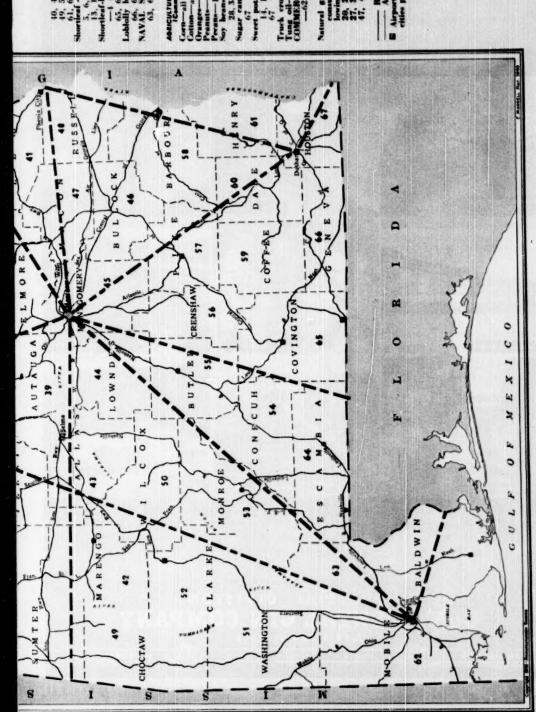


Bentonite—52 Cay—10, 12, 14, 20, 21, 22, 25, 27, 29, 34 Cosl—11, 12, 14, 15, 18, 19, 20, 21, 25, 26, 34 Fullers earth—52 Rauxite-5, 58,61 sphalt rock-5

Limonite—6, 14, 15, 20, 26, 22, 25, 27, 35, 56, 57 Manganese—14 Hematite—15, 20 lron ore—6, 14, 15, 16, 20 22, 25, 27, 55, 56, 57 Lime—5, 14, 20, 26 Linestone and dolomite—4, Manganiferous ore—22 Marble—27 Mics—28, 29, 35, 36, 37 Petroleum—49 Fullers can Gold—27 Graphite—28, 35, 36

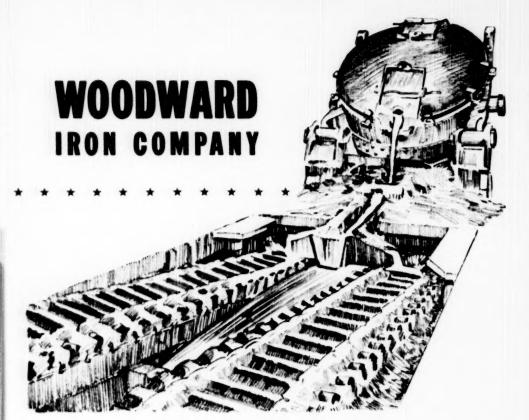
Salt—51 Sand, stone and gravel—3, 5,

6, 15, 19, 20, 21, 25, 40, 12, 43, 45, 62, 64 Sandstone including ganister including ganister — 16, 20, 22 Silien, glass, sand—6, 22, 27,



28, 38, 43, 47, 57, 60, 63 r cane—17 to 21, 24 to potators - 9, 10, 13, 14, 15, 21, 60, 61, 66,

Truck crops—all counties
Tung oil—62, 63
COMMERCIAL FISHERIES
—62, 63



Identified with Alabama's Progress Since 1882

Woodward Iron Company is proud of its position as a strictly independent Alabama enterprise, which for 68 years has moulded its own policies as well as its own uniform pig iron.

The nation's largest fully integrated and wholly independent merchant iron producer, Woodward has its own coal and ore mines with adequate reserves of coal and ore for at least the remainder of this century.

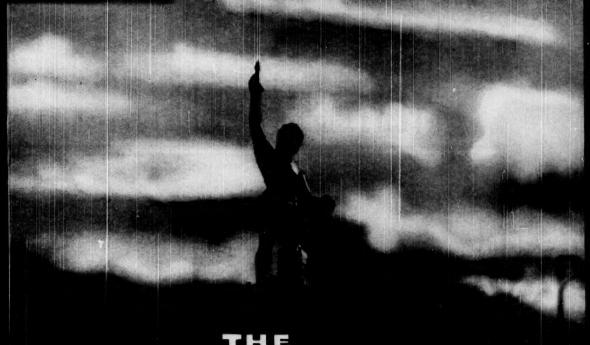
During its many years of operation, Woodward has produced more than 20,000,000 net tons of high quality merchant iron. Significant of the development of the Southeast is the fact that more than 90% of this iron is now sold to Southeastern foundries compared with only 10% as late as 1900.

WOODWARD IRON COMPANY

WOODWARD ALARAMA

Independent Since 1882

GENERAL SALES OFFICES: 1515 First National Building, Birmingham, Alabama: Phone 4-6786



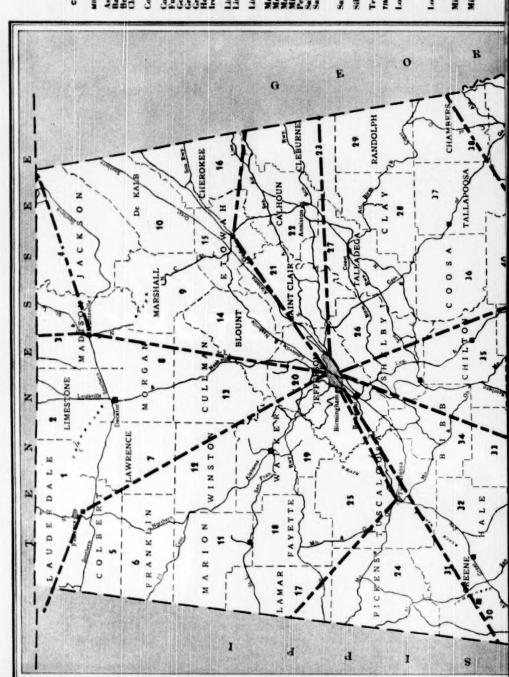
Alabama STORY





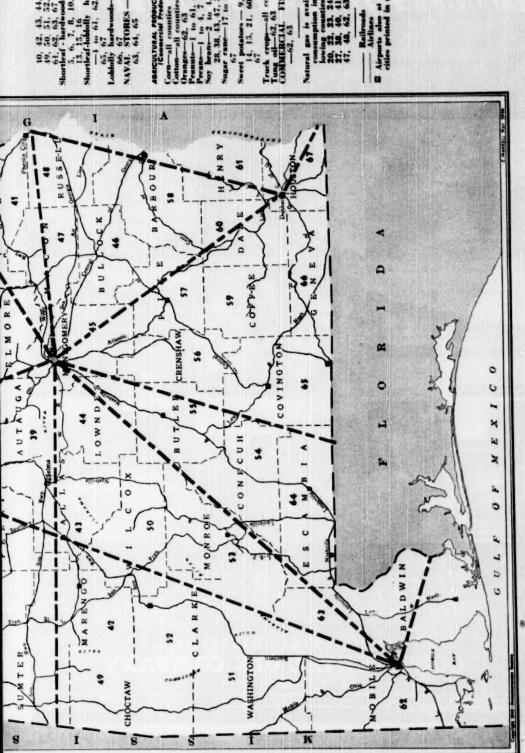
ALABAMA

Its principal raw materials and transportation facilities.



Gay—10, 12, 14, 20, 21, 22, 25, 27, 29, 34 Cosl—11, 12, 14, 15, 18, 19, 20, 21, 25, 26, 34 Colde—15, 20, 25, 26, 34 Fullers earth—52 Gold—27, 28, 38, 36 Graphic—28, 33, 36 Countles in which mineral is com-Iron ore—6, 14, 15, 16, 2 22, 25, 27, 55, 56, 57 27, 55, 56, 57 Manganese— 14 Manganiferous ore—22 Marble—27 mercially produced. Bauxite-5, 58,61 Bentonite-52 taphalt rock-5

Mica 28, 29, 35, 36, 37
Perfolear 49
Sait 31
Sand, stone and gravel—3, 5, 6, 19, 20, 21, 25, 40, 42, 43, 45, 62, 64
Sandstone including ganister



28, 38, 43, 47, 57, 60, 63 or cane—17 to 21, 24 to

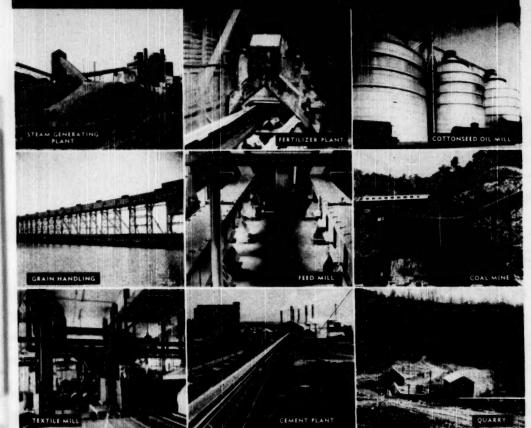
14, 15, 21, 60, 61, 66, 67

Truck crops—all counties
Tung oil—62, 63
COMMERCIAL FISHERIES

Tanua Tanua

MATERIAL WANDLING!

Continuentil



INDUSTRIAL DIVISION CONTINENTAL GIN COMPANY

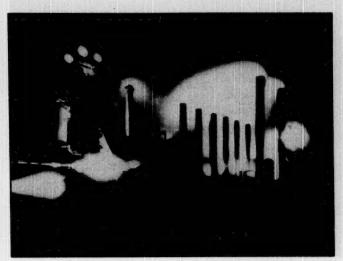
ENGINEERS





CCC MANUFACTURERS

MARKETS



THE SLOSS-SHEFFIELD STEEL & IRON COMPANY. THIS FURNACE WAS ONE OF THE FIRST FURNACES EVER TO BE CONSTRUCTED IN THE BIRMINGHAM AREA.



PULLMAN-STANDARD CAR MFG. CO. FREIGHT CAR PLANT, BESSEMER, ALA.

Sales Opportunities Abound in Alabama

No other single factor contributes more to the economic wellbeing of Alabama than the state's strategic situation with respect to markets.

This same assertion, in fact, can be made regarding any state, region or nation.

In the consideration of markets, the term itself has wide meaning. Markets are of a number of types and categories.

From one standpoint, for example, they are intrastate and interstate; or as most generally conceived, local and nonlocal.

From another standpoint, they involve consumers and producers without different types of demand for consumer goods or industrial goods.

From whatever viewpoint considered, markets result from, and are dependent upon, a widespread variety of stimuli and supports. In a word, they constitute an all important focal point, the strength or weakness of which either speeds or retards the flow of business.

In so far as the focal point contains lacks or jams or bottlenecks, the business flow is impeded. In so far as facilities are present and efficient, the flow is speeded and general economic welfare is enhanced.

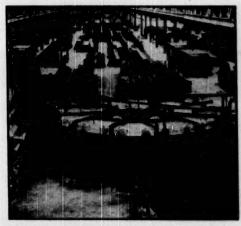
What, then of the Alabama Market?

To arrive at an appropriate answer, a wide purview is essential. Retail sales are important, but alone they represent only a portion of the full market potential.

Population is important only from the general observation that there cannot be markets without people. For practical appraisal purposes, however, population can be very misleading, as would be clearly demonstrated by shipping cargoes to areas heavily populated, yet lacking in funds for making purchases.

PURCHASING POWER

In final analysis, it is purchasing power that counts, and while purchasing power is made up of people with wants and funds with which to satisfy these latter, it is



MAIN MILL BUILDING WOLVERINE TUBE DIV., CALUMET & HECLA CONSOLIDATED COPPER CO., DECATUR, ALA.



O'NEAL STEEL COMPANY PLANT AT BIRMINGHAM HAS EXPERIENCED LARGE AND STEADY GROWTH IN RECENT YEARS.

also made up of enterprising establishments which may be corporations.

Personal or individual income alone, like retail sales, affords a valuable index of a portion of a region's markets, but is inadequate to cover these markets in full comprehensiveness.

So, in order to get at the actual value of any regional or state market potential, the economy of the area must be considered in its entirety.

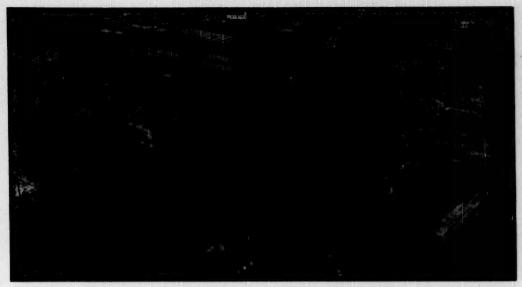
In order to thus measure the Alabama Market, the following all-comprehensive summary has been borrowed from the worksheets of the 1950 Blue Book of

Alabama—All Enterprise—1949

Industry	Number of Business Units	Value of Active Plant & Equipment \$ mil.	Persons Engaged (000)	Income from Payrolls & Profits \$ mil.	Cost of Materials Fuels and Services \$ mil.	Sales and/or Receipts \$ mil.
Farming	223,369	\$252.8	410.3	\$425.8	\$142.0	\$567.8
Other Rural	165	1.7	1.0	1.6	1.1	2.7
Mining	484	89.7	29.9	82.3	36.2	118.5
RAW MATERIALS	224,018	344.2	441.2	509.7	179.3	689.0
Construction	2,500	17.3	24.3	64.4	94.5	158.9
Manufacturing	4,026	469.5	204.7	721.5	1,328.1	2.049.6
PROCESSING	6,526	486.8	229.0	785.9	1,422.6	2.208.5
Utilities	2,378	792.6	71.1	255.3	168.4	423.7
Finance	3,188	262.4	0.81	69.5	99.6	169.1
Trade	26,100	136.9	156.6	491.1	3.042.3	3,533.4
Service	11,500	156.7	114.4	235.6	159.0	294.6
DISTRIBUTIVE	71,066	1,348.6	360.1	1,051.5	3,469.3	4,520.8
ALL ENTERPRISE	301,610	\$2,179.6	\$1,030.3	\$2,347.1	\$5,071.2	\$7,318.3



PLANT & OFFICE OF ALLIS-CHALMERS MANUFACTURING COMPANY, TRACTOR DIVISION LOCATED AT GADSDEN, ALABAMA.



CONTINENTAL GIN COMPANY AT BIRMINGHAM, ONE OF TWO LARGE OPERATIONS THE COMPANY HAS IN ALABAMA.

Southern Progress, which, when published at an early date, will depict in similar fashion the economies of all of the 16 Southern states.

The prime fact for present purposes to be drawn from the foregoing tabulation is found in the item of \$2,347 million representing income from payrolls and profits.

Every penny of this impressive sum is available for purchases of one sort or another, and, in fact, every cent, by one method or another is so spent. Part goes to satisfy human wants. The remainder goes into investment of one kind or another.

One of the most striking effects to be noted will be found in a comparison of conditions of today with those of a decade ago:

People & Purchasing Power

Year	Popula- tion (000)	Income from Industry 8 mil.	Consumer Expendi- tures 8 mil.	Capital Expendi- tures 8 mil.
1949	2.920	\$2.347.1	\$2,102.9	\$244.2
1939	2,833	689.7	545.8	143.8
Increase	3%	240%	285%	70%

LEADING ECONOMIC DIVISIONS

With respect to the ranking of the various segments of the state economy, it can be seen from the summary tabulation that manufacturing enterprise stands out far in the lead of all other categories.

Factory towns, therefore, will be noted on sales directors' maps as especially important when seeking new or increased outlets for both consumer and capital merchandise.

Trade, wholesale and retail combined, ranks second

—a most important field for exploiters of consumes products, and not of mean value either in the contemplation of capital goods.

Business machines and related items are especially in demand in this field. Furthermore it should be remembered that the present is an age of modernization. Retailers and wholesalers alike are eager for new ideas and equipment in the materials handling class. Also for new appurtenances designed for better display of merchandise.

Agriculture ranks third in sales potential. It is here that the producer of farm machinery finds greatest opportunity. Currently, tractors and motor vehicles are in strong demand in most farm regions. Furthermore, speedy electrification of farms holds open the door for electrical machinery makers.

OTHERS

Following these three major economic divisions, other industry groups rank in order:

Utilities, including transportation companies of all kinds, as well as communication facilities (television, radio, etc.), and power producing enterprise;

Service industries, including professional trades with their unceasing demand for medical and other scientific instruments and appliances;

Mining, widely diversified in Alabama, and calling for a wide range of heavy and precision machinery, as well as small tools of many kinds;

Construction, especially active at present, and with demand also for machinery, tools, and materials of

Finally, the minor rural industries including forestry and fishing which make up only a small fraction but none the less should not be overlooked.

Of expenditures out of income for the state as a

whole in 1949, almost 90 per cent went for consumer goods; something over ten per cent for capital plant and equipment.

On a community basis, however, producers of capital goods will find counties carrying higher ratios of their types of merchandise.

The following tabulation will indicate for producers the areas in which they may expect to garner the most in sales with the least expenditure of cost and effort:

County Markets

Counties	Pop. (900)	Consumer Purchases \$000	Enter- prise Units	Capital Purchases \$000
Autauga	19.2	3,165	1,781	580
Baldwin	41.1	20,955	3,881	1,058
Barbour	29.0	9,974	3,965	1,085
Bibb	19.3	5,131	1,809	682
Blount	27.2	5,658	4,960 2,408	323
Bullock	17.9	4,316	3,211	1.011
Calhoun	74.5	48,693	3,901	9,415
Chambers	40.3	7,672	3,042	4,872
Cherokee	19.4	2,110	2,781	114
Chilton	27.9	8,200	4,122	567
Choctew	19,1	3,453	3,043	521
Clarke	27.0	12,755	4,115	1,050
Clay	15.1	2,637	2,519	180
Coffee	12.7	2,014 9,878	4,338	730
Colbert	38.7	24.599	2,818	3.200
Conecuh	22.2	6,234	2,788	553
Coota	11.3	1,534	1,550	255
Covington	38.2	19,756	4,830	2.196
Crenshaw	19.3	4,412	2,906	303
Cullman	46.7	18,509	7,683	930
Dale	19.2	7.241	2,751	633
Dallas	42.5	32,786	5,942	2,269
De Kelb Elmore	32.4	9,494	6,792 3,885	2.067
Escambia	33.3	18,557	2,474	1,227
Etowah	83.9	75,990	5,308	15,388
Fayette	19.4	7.048	3,015	697
Franklin	26.6	8,439	3,628	720
Geneva	27.2	7,815	3,896	944
Greene	19.1	3,643	2,648	220
Henry	22.3	3,308 4,123	3,336	207 309
Houston	48.3	39,703	3,136 5,666	2,160
Jackson	39.8	10,213	5.359	718
Jefferson	470.9	747,128	19,105	93,412
Lamar	16.1	4,124	3,012	324
Lauderdale	48.8	36,204	4,826	1,619
Lawrence	26.5	3,165	3,446	83
Limestone	40.0	29,107	3,285	2,384
Lawndes	36.8	2.062	4,712 2,407	320 120
Macon	23.8	6.282	3.374	316
Madison	67.6	45,075	5,951	3,579
Marengo	35.2	9,782	4,299	766
Marion	27.8	5,227	4,216	666
Marshall	40.0	20,523	5,998	1,344
Mobile	218,6	271,583	7,871	33,377
Montgomery	26.6	5,131	3,634 6,474	786 13,259
Morgan	47.9	33.505	5,324	3,446
Perry	24.4	6,474	3,039	422
Pickens	25.8	5,275	3,846	527
Pike	31,2	16,352	4.169	930
Randolph	22.5	6,042	3,214	953
Russell	42.5	10,022	2,729	545
St. Clair	28.0	6,953	2,809	1,679
Shelby	28.2	8,05a 6,138	2,571 3,668	1,229
Talladega	63.3	33,513	4.240	5,138
Tallapoosa	33.7	17,982	3,398	3,257

Walter	62.7	37,450	5,689	4,967
Washington	15.6	1,822	1,577	268
Wilcox	30.3	3,932	3,869	420
Winston	18.6	5,419	2,712	639
		*************	475.710	*****
State Total	2,901.4	\$2,102,900	273,710	\$244,022

INTERSTATE COMMERCE

When it is stated, as has been here, that Alabama takes in an expendible income of slightly under \$21/2 billion and disburses a like amount for personal and business uses, the impression must not be left that the state is either a selfcontained or selfsustaining economic unit.

One of the most cherished advantages inherent in the American democratic union of states is freedom of access to resources and markets irrespective of state boundaries.

By this freedom Alabama both profits from business intercourse with sister states, and in turn holds out countless opportunities for investment and profit to enterprisers in other commonwealths.

DIVERSIFIED OUTPUT

Alabama enterprise is greatly diversified, as much so perhaps as any state in the union. It would be difficult to name an industry or occupation that thrives elsewhere in the United States without also finding it holding a strong position in the Cotton State.

This very diversity makes it inevitable that Alabama business must, on the one hand, seek sales opportunities in other states, and at the same time hold out equally attractive sales opportunities to enterprisers in other

With respect to the first, no state is better equipped through location and transportation facilities to cater to demand in areas beyond the state's borders, even to the farthermost part of the world.

With over five thousand miles of the finest railways, 809 airway miles, 7,000 miles of super excellent highways and one of the best equipped ports in the nation, outgoing traffic is in shape to score a hit each time it goes to bat.

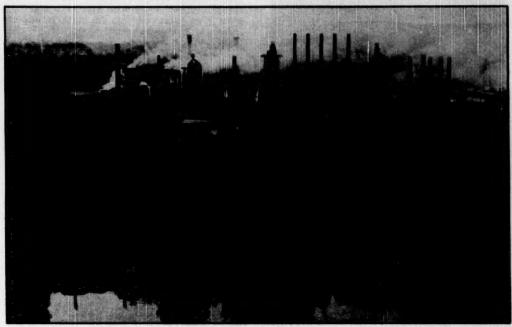
With respect to sales opportunities for sellers outside the state, advantages are no less attractive.

The state's manufacturing industry alone utilizes annually materials and services costing well over a billion dollars. Yet the state itself, wonderfully blessed as it is with raw materials, can furnish hardly two thirds of this quantity.

Although consumers buy avidly from the stocks of local producers, extending these latter to their best performance to supply local demand, there still always exists the opportunity for the article or line made elsewhere to step in and try to demonstrate its superiority.

Even as salesmanagers the nation over are daily casting wistful eyes over all that area known as the Southland, few will there be who will fail to see in this one state with its 3 million people and 300,000 units of enterprise a veritable Mecca for those who have goods to sell.

MANUFACTURING



A FAMILIAR SCENE IN THE BIRMINGHAM AREA ARE THESE BLAST FURNACES OF THE WOODWARD IRON COMPANY.

Alabama Sets Enviable Ten Year Record

THE full extent to which Alabama manufacturing is flourishing cannot be adequately portrayed by the record made in 1949.

Heavily dependent upon coal and steel for some of its largest and most thriving industries, the state was greatly handicapped by work stoppages of long duration in those two all important fields.

Directly or indirectly plants in a number of industry groups were either badly slowed down or completely stopped for a period running in some instances to two complete months.

It can be stated without great fear of error that not less than \$100 million in production values was lost by reason of the coal and steel strikes.

Nevertheless the state made an admirable showing. Value of manufactured products totaled \$2,049.6 million for the year, three and one half times the \$547.7 million turned out in 1939.

Change in the value of the dollar played an important part in this enormous dollar gain; but even when considered from a stable dollar basis, improvement and development of the industry appears very impressive.

A full 100 per cent gain in physical output of manu-

factured products occurred in the decade between 1939 and 1949.

GROWTH OF OUTPUT

No other decade in history can be cited as having achieved anything near such a gain as this.

Diversified as manufacturing is in this state, underlying conditions had to be sound in all directions to double unit output and more than triple dollar value in the span of ten years.

In the preceding article, depicting Alabama Markets, manufacturing has been thrown into the light of comparison with other industry branches and found to be the leader of all by far in produced income.

In fact, it can be stated with practical certainty, that but for the flourishing growth of manufacturing enterprise, all of the other groups outside the rural industries would have been unable to make the excellent record they are shown to have made.

Southerners generally like to consider their respective states in connection with, and as a part of, the South as a whole. And at the same time, it is always interesting to see one's state set forth as a unit of the



INGALLS SHIPBUILDING CORPORATION, DECATUR, ALA.

great nation to which it belongs. The following table is therefore presented with the double purpose in mind:

All Manufacturing

	1949				
Region	Plants	Persons Engaged (000)	Income from Payrolls and Profits 8 mil.	Sales \$ reil.	Sales \$ mil.
Alabama South U. S.	4,026 57,278 254,900	204.7 3.066.8 14.720.0	\$721.5 12,198.6 63,409.0	\$2.049.6 38.950.1 188.000.0	\$574.7 11.190.3 56,843.0

The first significant fact to be recognized from this ten year summary of changes is the relative position of Alabama with respect to its own region and to the United States as a whole.

Alabama's percentage gain in dollar sales of manufactured products between 1939 and 1949 stands at 256 per cent.

The South as a whole gained 248 per cent. The entire nation gained 232 per cent.

It should not be understood from this result that

Alabama led all other Southern states in percentage gain for the decade. The Blue Book of Southern Progress, soon to be ready for the press, will disclose that several Southern states made even more impressive gains in manufacturing than this highly satisfactory showing by the Cotton state.

Nevertheless it is an achievement of no mean consideration to outstrip the averages of both region and nation, and as previously stated there is little question but that the showing would have even been better except for work stoppages that hit this one state particularly hard.

Passing now from total manufacturing to one of the major distribution of the industry, the next table makes comparison with respect to durable goods:

Durable Goods Manufacturing

		19.	1939		
Region	Plants	Engaged (000)	Income 8 mil.	Sales \$ mil.	Sales \$ mil.
Alabama	2.857	110.2	\$363.3	\$946.5	\$264.3
South	29,395	1,169.2	4.086.4	10,525.7	3,084.2
U. S.	117.600	4.170.0	33.755.0	85.000.0	24.070.4

Durable goods, according to official classification consist of ten branch groups, as follows: Lumber, Furniture, Stone-Clay-Glass, Primary Metals, Fabricated Metals, Machinery, Electrical Machinery, Transportation Equipment, Instruments and Miscellaneous Manufactures.

As a whole, Alabama's gain for the entire group between 1939 and 1949 was 258 per cent, two per cent higher than for manufacturing as a whole.

It is appropriate at this point to call attention to the fact (to be noted as the analysis proceeds) that surprising uniformity is to be found in the rate of growth of the various branches of the manufacturing industry. With some exceptions, percentages of gain will be found to hover within the 240-260 percentage mark. The exceptions, of course will become the more conspicuous as they show up by reason of this general uniformity.

Now, to take up the durable goods group in detail, the following table sets forth the record of lumber the first sub group mentioned above:



REPUBLIC STEEL CORPORATION IS ONE OF THE LARGE PRODUCERS. PHOTO ABOVE IS OF THE GADSDEN, ALABAMA PLANT.

Lumber Manufacturing

		1939			
Region	Plants	Engaged (000)	Income \$ mil.	Sales \$ mil.	Sales 5 mil.
Alabama	2.217	37.6	\$75.0	\$167.0	\$48.0
South	17,186	343.9	845.1	1,861.3	523.1
U. S	32,000	781.0	2.155.0	4.800.0	1.232.1

For this group Alabama recorded a ten year gain of 247 per cent; the South, 256 per cent; and the nation, 290 per cent. It might be noted at this point that the past year saw a considerable drop in Southern lumber production, with many small mills and logging camps dropping out of the picture. Since many of these operations, drawn into action by war demand, were stripping Southern forests of unmatured trees, the current decrease may well be set down as a gain rather than a loss.

In Alabama, sales value (or value of production as the case may be) was distributed as follows: logging, \$6.5 million; sawmills and planing mills, \$141.2; millwork, including plywood and similar commodities, \$8.5 million; wooden containers, \$4.4 million; and miscellaneous wood products including wood preserving and sawdust, \$6.4 million; total, \$167.0 million.

In the next group, Furniture Manufacturing, Alabama made a decade gain of 203 per cent; the South, 110 per cent; and the nation, 150 per cent. Here is one exception, on the downward side, in the state's stable rate of industry growth:

Furniture Manufacturina

		1939			
Region	Plants	Engaged (000)	Income \$ mil.	Sales \$ mil.	Sales \$ mil.
Alabama	94	1.8	\$5.0	\$11.5	\$3.8
South	1,903	96.8	278.1	653.0	310.3
U. S.	7.700	393.0	1 244 0	2 900 0	1 157 7

Sales for this group were distributed as follows: household furniture, \$8.5 million; office furniture, none; public building and professional furniture, negligible; interiors and fixtures, \$1.4 million; screens and blinds, \$1.6 million; total, \$54.5 million.

In Stone-Clay-Glass, a growth rate is found, substantially below the general average for the state but still above both that of the region and the country as a whole. Alabama's gain was 217 per cent; the South, 117 per cent, the Nation, 192 per cent.

Stone-Clay-Glass Manufacturina

		1949			
Region	Plants	Engaged (000)	Income \$ mil.	Sales \$ mil.	Sales \$ mil.
Alabama	185	7.1	\$27.2	\$54.5	\$17.2
South	3,202	105.4	394.7	780.5	359.6
11 6	12.000	490.0	2 079 0	4 200 0	1 440 2

Distribution of sales: Flat glass, none; glassware, \$1.1 million; articles made from purchased glass, such as mirrors, \$.2 million; hydraulic cement, \$19.5 million; structural clay products, \$10.1 million; pottery, \$.1 million; plasters of various types, \$13.9 million; cut stone products, \$3.1 million; miscellaneous articles, \$6.5 million; total, \$54.5 million.

Next in classification order is Primary Metals. In this branch group, it will be remembered, the state suffered its most serious handicap by reason of extraordinary conditions involving labor relations. Even so, the group came near to maintaining the general average for the manufacturing industry as a whole, and would un-



CALCIUM CARBIDE FURNACE AT THE ANNISTON, ALA-

doubtedly have more than attained that average had it not been for unusual difficulties.

Primary Metal Manufacturing

	1949				
Region	Plants	Engaged (000)	Income 8 mil.	Sales 1 mil.	Sales 8 mil.
Alabama	98	44.5	\$185.2	\$559.2	\$161.1
South	718	167.1	750.0	2,939.1	773.4
U. S	5,400	1,160.0	5,087.0	16,900.0	5,728.0

Gain for Alabama was 247 per cent; the South, 280 per cent; the Nation, 195 per cent. The South's fine showing came from excellent aluminum developments in Arkansas, copper in Tennessee, and lead and zinc in Missouri and Oklahoma. In addition, Texas opened up a most promising development of iron ore processing.

Distribution of Alabama's primary metal sales: Products of furnaces, \$365.4 million; foundry products, \$100.7 million; primary smelters, \$38.3 million; secondary smelters, \$2.6 million; shaping and forming operations, \$38.4 million; nonferrous foundry products, \$.6 million; miscellaneous, \$13.2 million; total, \$559.2 million.

Fabricated metal manufacturing shows commensurate growth with other manufacturing industries:



SEWING ROOM AT THE ALEXANDER CITY, ALABAMA PLANT OF THE RUSSELL MANUFACTURING COMPANY.



AIR VIEW OF GOODYEAR TIRE AND RUBBER COMPANY'S LARGE MODERN TEXTILE PLANT LOCATED AT GADSDEN, ALABAMA.

Fabricated Metal Manufacturing

	A	1939			
Region	Plants	Engaged (000)	Income 8 mil.	Sales \$ mil.	Sales 8 mil.
Alabama	85	6.0	\$26.1	\$57.0	\$16.0
South	1.866	107.4	464.1	1,038.4	303.2
U. S	17,000	980.0	4.342.0	9,400.0	3.437.0

Gain for Alabama, 256 per cent; the South, 242 per cent; the Nation, 173 per cent.

Distribution of sales: Tin products, \$.4 million; hardware and tools, negligible; heating and plumbing equipment, \$9.8 million; structural metal products, \$36.0 million; stamping, coating and engraving, \$.9 million; lighting fixtures, none; wire and wire products, \$.5 million; miscellaneous fabricated metal articles, \$9.4 million; total, \$57.0 million.

Machinery manufacture made best gains of all industries:

Machinery Manufacturing

	,	1939			
Region	Plants	Engaged (000)	Income 8 mil.	Sales 8 mil.	Sales \$ mil.
Alabama	69	4.5	\$16.9	\$36.1	\$4.7
South	1,797	8.011	477.1	1,080,0	205.9
U. S	18.000	1.553.0	6.734.0	14 000 0	3 254 2

Alabama gained 668 per cent; the South, 425 per cent; the nation, 330 per cent.

Alabamians will be especially proud of this industry

which, although guided somewhat by the needs of war, was foresighted enough to visualize also a tremendous postwar demand for industrial tools.

The fact that the entire South is pitifully lacking in this type of industry, and also that Alabama itself has but scratched the surface of possibilities along this line, the value of the hest egg development already attained should not be underestimated.

Distribution of sales: Engines and turbines, none; agricultural machinery, \$11.2 million; mine and construction equipment, \$1.4 million; metalworking machinery, \$.2 million; special industrial machinery, \$15.5 million; general industrial machinery, \$2.7 million; office and store machinery, none; household and service equipment, \$.7 million; miscellaneous machine parts, \$4.4 million; total, \$36.1 million.

In electrical machinery development, the state has apparently not yet visualized the tremendous possibilities presented. In this industry, counterpart of the one just analyzed, is to be found the poorest showing of all:

Elec. Machinery Manufacturing

	,	1939			
Region	Plants	Engaged (000)	Income \$ mil.	Sales \$ mil.	Sales \$ mil.
Alabama	10	.5	\$1.7	\$3.5	\$1.2
South	382	53.3	213.6	479.4	103.3
U. S	4,000	815.0	3,710.0	8,300.0	1,727.4



SYLACAUGA, ALABAMA PLANT OF AVONDALE MILLS. ALSO SHOWN IS THE NEAT MILL VILLAGE THAT SURROUNDS IT.

Alabama's gain, 117 per cent; the South, 364 per cent; the Nation, 380 per cent.

Distribution of sales: Generating and transmission equipment, \$3.5 million; and for the other categories, appliances, insulated products, automotive electrical accessories, electric lamps, communication equipment, including television and radio, and other electrical articles—none; total \$3.5 million.

A brighter aspect appears with the next tabulation. In transportation equipment, the state has made marked progress as the following figures will show:

Trans. Equip. Manufacturing

	,	1939			
Region	Plants	Engaged (000)	Income \$ mil.	Sales 5 mil.	Sales \$ mil.
Alabama	31	7.6	\$24.3	\$53.3	\$10.8
South	756	141.5	506.5	1,397.4	418.5
U. S	3,900	1,290.0	5,673.0	18,600.0	4,930.8

Alabama's gain, 394 per cent; South, 234 per cent; Nation, 277 per cent.

Distribution of sales: Automotive vehicles and accessories, \$7.6 million; aircraft, none; marine, \$30.0 million; railroad equipment, \$15.7 million; cycles and miscellaneous carriages, none; total, \$53.3 million.

Manufacture of scientific instruments has grown at about the same rate as that applying to the industry as a whole:

Instrument Manufacturing

Region		1939			
	Plants	Engaged (000)	Income \$ mil.	Sales \$ mil.	Sales \$ mil.
Alabama	12	.1	\$.3	\$.7	\$.2
South	307	12.8	42.9	83.2	22.4
U. S.	2.600	233.0	1.091.0	2.200.0	406.0

Alabama's gain, 250 per cent; South, 271 per cent; Nation, 442 per cent.

Distribution of sales: Optical products, \$.1 million; medical instruments, \$.3 million; Opthalmic products, \$.3 million; scientific and mechanical measuring instruments, photographic products, and timepieces, none; total, \$.7 million.

Miscellaneous manufacturing embraces a heterogeneous group of articles, some of which are of nondurable nature. This group is included with durable manufactures chiefly from a standpoint of convenience. By thus grouping it, ten branch groups are allotted to durables and ten to nondurables.

In the case of Alabama, this group has not received the same amount of attention that has been directed toward other groups:

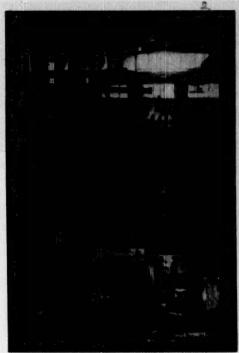
Miscellaneous Manufacturing

	-	1939			
Region	Plants	Engaged (000)	Income 8 mil.	Sales 8 mil	Sales \$ mil.
Alabama	56	.5	\$1.6	\$3.77	\$1.3
South	1.283	30.2	94.3	213.4	65.1
U. S	15,000	475.0	164.0	3,700.0	757.0

Alabama's gain, 185 per cent; South, 228 per cent; Nation, 389 per cent.

Distribution of sales: Jewelry, none; musical instruments, none; toys and sport goods, \$.3 million; stationery items, none; novelties, negligible; products made from plastic, \$.1 million; miscellaneous or unclassable, \$3.3 million.

Turning now to nondurables. The group as a whole:



AMERICAN CAST IRON PIPE CO., BIRMINGHAM, ALABAMA.

Nondurable Goods Manufacturing

	police	1939			
Region	Plants	Engaged (000)	Income smil.	Bales \$ mil.	Sales 8 mil.
Alabama	1.169	94.5	\$358.2	\$1,103.1	\$310.4
South	27,880	1,897.6	8,112.2	28,124,4	8,106.1
U. S	137,300	6,550.0	29,265.0	103,000.0	32,773.5

A striking resemblance between the growth of durables and nondurables is apparent, not only for Alabama, but for the South as a whole. While the trend in the United States over the past ten years has been more strongly in the direction of durable goods expansion, only a few percentage points separate durables and durables in the South where development has seemingly been more uniformly dispersed.

Alabama's gain in nondurables, 255 per cent; South,



WINFIELD MILL, ONE OF THE GROUP OF PLANTS OPERATED BY THE ALABAMA MILLS, INCORPORATED.



FARM MACHINERY IS MANUFACTURED IN THIS HUGE PLANT OF THE J. I. CASE COMPANY AT ANNISTON, ALABAMA.

247 per cent; Nation, 214 per cent.

Nondurables are subdivided into: Food, Tobacco, Textiles, Apparel, Paper, Printing, Chemicals, Petroleum-Coal Products, Rubber, and Leather. Taking these up in classification order:

Food Manufacturing

	-	1939			
Region	Plants	Engaged (000)	Income 8 mil.	Sales 8 mil.	Sales \$ mil.
Alabama	498	13.1	\$43.1	\$231.4	\$52.3
South	848,11	364.5	1,451.5	7,617.2	2.096.3
U. S	35,100	1,475.0	6,570.0	35,300.0	10,618.0

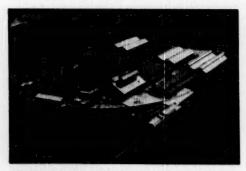
Alabama's outstanding gain, 342 per cent; South, 263 per cent; Nation, 232 per cent.

Distribution of sales: Meats, \$50.0 million; dairy products, \$19.6 million; canned goods, \$7.1 million; grain products, \$55.1 million; bakery goods, \$28.9 million; sugar, none; confectionery, \$4.6 million; beverages, \$31.4 million; miscellaneous foods, \$34.7 million; total, \$231.4 million.

Tobacco Manufacturing

Region		1939			
	Plants	Engaged (000)	Income \$ mil.	Sales 8 mil.	Sales \$ mil.
Alabama	4	.5	\$.9	\$2.8	
South	329	62.9	250.8	1,822.9	1.042.3
U. S.	1,100	102.0	360.0	2,500.0	1.322.2

Since Alabama's output of manufactured tobacco products was negligible in 1939, percentage gain cannot be recorded; for the South the gain was 75 per cent; for the Nation, 89 per cent.



THE MONTGOMERY (CHISHOLM) PLANT OF THE HAZEL-ATLAS GLASS CO., AN INDUSTRY NEW TO ALABAMA.

Distribution of Alabama sales: cigars, \$2.8 million; no other products turned out.

Textile Manufacturing

Region		1949				
	Plants	Engaged (000)	Income \$ mil.	Sales 8 mil.	Sales \$ mil.	
Alabama	146	48.8	\$176.5	\$432.6	\$124.0	
South	2.119	628.3	2.380.4	5.749.0	1,434.9	
U. S	8,200	1,200.0	4.243.0	10,400.0	3,930.7	

Alabama's gain 249 per cent; South, 300 per cent; Nation, 165 per cent.

Distribution of state sales: Cleaning and scouring, none; yarns and threads, \$48.5 million; broad woven goods, \$327.5 million; narrow weaves, \$4.6 million; knit goods, \$30.4 million; dyeing and finishing, \$6.4 million; carpets and rugs, \$6.9 million; straw and other woven hats, \$2.4 million; miscellaneous textile products, \$5.9 million; total, \$432.6 million.

A very fine showing has been made in development of apparel manufacture:

Apparel Manufacturing

	para	1939			
Region	Plants	Engaged (000)	Income \$ mil.	Sales \$ mil.	Sales \$ mil.
Alabama	104	8.7	\$17.8	\$50.3	\$10.3
South	2,818	229.8	567.8	1,622.7	474.3
U. S	31,000	1.047.0	3,574.0	10,300.0	3,325.0

Alabama's gain, 388 per cent; South, 242 per cent; Nation, 210 per cent.

Distribution of sales: Men's suits and topcoats, \$4.7 million; men's furnishings. \$26.0 million; women's out-



ANOTHER CAST IRON PIPE OPERATION. THIS IS MEWANE CAST IRON PIPE COMPANY AT BIRMINGHAM, ALABAMA.

erwear, \$.8 million; feminine underwear, \$.4 million; millinery, \$.6 million; children's wear, \$.4 million; furs, none; mispellaneous items of apparel, \$.8 million; miscellaneous finished fabrics such as curtains, etc., \$6.6 million; total, \$50.3 million.

Paper	Mos	ufe	ctm	ring
- uper				٠

Region		1939			
	Plants	Engaged (000)	Income \$ mil.	Sales 5 mil.	Sales \$ mil.
Alabama	15	6.0	\$35.9	\$105.1	\$31.3
South	566	95.1	542.8	1,603.3	343.4
11 5	4 200	460.0	2 524 0	7.400.0	2.019.6

Alabama's gain, 236 per cent; South 367 per cent; Nation, 266 per cent.

Distribution of sales: Paper and pulp mill products, \$92.0 million; coating and glazing, \$6 million; envelopes, none; paper bags, \$7.1 million; paper boxes and cartons, \$4.9 million; miscellaneous products, \$5 million; total, \$105.1 million.

Printing & Publishing

	,	1939			
Region	Plants	Engaged (000)	Income s mil.	Sales \$ mil.	Sales 8 mil.
Alabama	233	3.7	\$16.0	\$31.7	\$10.4
South	6,493	115.3	498.6	971.8	370.1
U. S	30.000	727.0	3,377.0	6,700.0	2,578.5

Alabama's gain 205 per cent; South, 163 per cent; Nation, 160 per cent.

Distribution of sales: Newspapers, \$19.8 million; periodicals, \$4.6 million; books, none; pamphlets and brochures, none; commercial printing, \$6.1 million; lithographing, \$.3 million; greeting cards, none; binding, etc., \$.2 million; printing services such as stereotyping, etc., \$.7 million; total \$31.7 million.

Chemical Manufacturina

	1949				1939
Region	Plants	Engaged (000)	Income \$ mil.	Sales \$ mil.	Sales \$ mil.
Alabama	134	5.8	\$31.4	\$116.7	\$43.8
South	2.668	215.8	1,352.2	4,244.4	967.7
11 5	10 100	4540	4 254.0	13 300 0	3 733 7

Alabama's gain, 166 per cent; South, 339 per cent; Nation, 256 per cent.

Distribution of sales: Industrial chemicals, \$28.2 million; drugs and medicines, \$.5 million; soaps and cleansers, \$3.7 million; paints and varnishes, \$2.7 million; naval stores, \$4.9 million; fertilizers, \$19.7 million; oils and fats, \$52.6 million; miscellaneous, \$4.4 million; total, \$116.7 million.

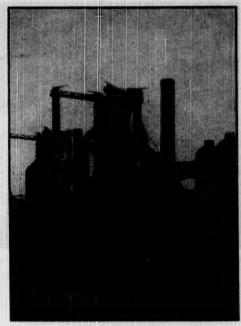
Petroleum-Coal Products

	1949				1939
Region	Plants	Engaged (000)	Income \$ mil.	Sales \$ mil.	Sales \$ mil.
Alabama	23	2.7	\$14.9	\$48.5	\$26.6
South	408	83.1	759.4	3.925.3	1.078.7
U. S	1,400	238.0	2.027.0	. 10.800.0	2 954 0

Alabama's gain, 158 per cent; South, 264 per cent; Nation, 265 per cent.

Distribution of sales: Refinery products, \$7.4 million; coke, \$53.0 million; paving and roofing products, \$8.1 million; miscellaneous commodities, none; total, \$68.5 million.

While production is still small, Alabama has made good progress in the development of rubber and rubber product manufacturing:



GENERAL VIEW OF BLAST FURNACES, FAIRFIELD, ALA-BAMA WORKS, TENNESSEE COAL, IRON & RAILROAD CO.

Rubber Manufacturing

		1939				
Region	Plants	Engaged (000)	Income \$ mil.	Bales 8 mil.	Sales 3 mil.	
Alabama	6	4.6	\$20.0	\$59.5	\$8.8	
South	102	21.3	82.9	230.9	57.5	
U. S	900	265.0	1.069.0	2,800.0	902.3	

Alabama's gain, 576 per cent; South, 301 per cent; Nation, 210 per cent.

Distribution of sales: Leather manufacturing has progressed less than any of the state's nondurable industries. Since this industry shows current signs of being none too flourishing, it may be that no propitious bets have been overlooked in this direction. At the same time, it would be well to bear in mind that local demand is far from being satisfied by present local production, and that home producers always have two strikes on more distant rivals in a competitive contest.

Leather Manufacturing

	-	1939			
Region	Plants	Engaged (000)	Income \$ mil.	Hales \$ mil.	Sales I mil.
Alabama	6	.6	\$1.7	\$4.5	\$2.9
South	512	81.5	225.8	636.9	240.9
U. S	5,300	380.0	1,205.0	3,500.0	1.389.5

Alabama's gain, 55 per cent; South, 164 per cent; Nation, 152 per cent.

Distribution of sales: Tanning, none; industrial leather goods, none; footwear, \$4.2 million; gloves, luggage and small leather goods, none; miscellaneous items, \$.3 million; total, \$4.5 million.

PATTERN OF DEVELOPMENT

Having considered all phases of manufacturing from a state level basis, there remains only the need to give



CHEMICAL MANUFACTURING IN ALABAMA. ABOVE IS THE TUSCALOOSA PLANT OF REICHHOLD CHEMICALS COMPANY.

some idea regarding development of local areas.

In general, it can be said that community development of manufacturing enterprise has been upon a fairly uniform basis during the past ten years. Some counties have made greater relative progress than others, but all have added materially to their manufacturing facilities and have prospered substantially thereby as may be noted in the satisfactory level of purchasing power disclosed in the previous article on Alabama Markets.

A tabular summary of current manufacturing output, by counties, will doubtless set forth a more enlightening picture than could be had through narrative detail. Hence, the ensuing table showing all counties and their 1949 manufacturing record:

Alabama Manufacturing
By Counties

Counties	No. of Plants	Value of Active Plants § mil.	Sales \$ mil.
Autauga	31	\$1.9	\$8.4
Baldwin	43	1.8	7.8
Barbour	50	3.0	13.3
Bibb	28	1.1	4.6
Blount	26	.5	2.0
Bullock	25	1.3	5.5
Butler	35	3.2	14.1
Calhoun	121	24.6	107.2
Chambers	52	19.4	84.5
Cherokee	34	.2	.7



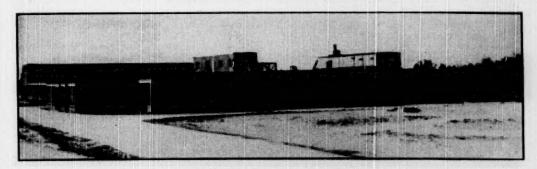
SOUTHERN COACH MANUFACTURING CO., INC., EVERGREEN, ALA., SELLS BUSSES IN SOUTH, MIDDLE WEST & SOUTH AMERICA.



RECENTLY COMPLETED \$15,000,000 RAYON YARN PLANT BUILT AT COOSA PINES, ALABAMA, BY BEAUNIT MILLS, INCORPORATED.



NEW OFFICE BUILDING FOR T. C. I. AT FAIRFIELD, ALABAMA, WILL BE LEASED TO THREE UNITED STATES STEEL SUBSIDIARIES.



BABY CARRIAGES, ETC. COME FROM HEDSTROM UNION COMPANY AT DOTHAN, ALABAMA. CITIZENS HELPED BUILD PLANT.
MARCH NINETEEN FIFTY 87



MOBILE, ALABAMA PLANT OF THE RUBEROID COMPANY, MANUFACTURERS OF MANY FINE ROOFING PRODUCTS.



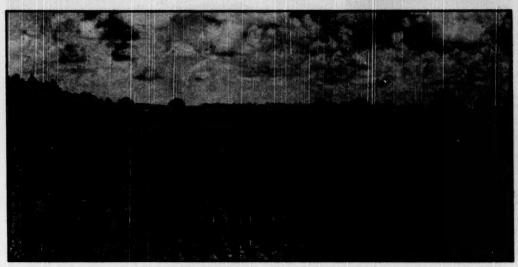
REYNOLDS METALS COMPANY'S NEW LISTERHILL, ALA-BAMA PLANT. RUST ENGINEERING COMPANY, BUILDERS.

	No. of Plants	Value of Active Plants 8 Mil.	Sales \$ Mil.
Chilton	42	1.7	7.5
Choctew	41	1.8	7.7
Clarke	36	2.0	8.9
Clay	49 17	.5	2.4
Cloburne	57	1.3	5.5
Coffee	59	14.2	62.1
Conecuh	31	1.0	4.5
Coosa	39	.8	3.4
Covington	77	5.5	24.0
Crenshaw	24	.7	2.9
Cullman	38 43	1.3	5.7 9.0
Dalles	75	3.9	17.0
DeKelb	50	2.1	9.3
Elmore	37	7.6	33.1
Escambia	39	3.2	14.1
Etowah	119	37.6	162.2
Fayette	64	2.0	8.9
Franklin	42	1.6	12.9
Geneva	43 25	3.0	2.5
Hale	25	Š	2.2
Henry	31	.7	3.0
Houston	66	3.1	13.7
Jackson	46	1.7	7.5
Jefferson	666	143,4	620.2
Lemer	38	.5	2.4
Laurence	39	2.0	8.8
Lee	62	5.2 .	22.6
Limestone	17	.1	.5
Lowndes	21	.3	1.1
Macon	29	.5	2.0
Medison	61	8.2	35.9
Marengo	41	2.2	9.4
Marion	38 42	2.7	11.7
Marshall	238	56.3	242.9
Monroe	37	2.2	9.6
Montgomery	159	11.8	51.5
Morgan	67	8.8	38.6
Perry	37	2.3	10.1
Pictons	38	1.6	7.1
Pike	64 42	3.3	14.5
Rendolph	54	1.2	5.3
St. Clair	37	3.1	13.4
Shelby	57	1.0	14.4
Sumter	35	1.4	6.0
Talladega	102	18.5	80.6
Tallapoosa	- 77	11.2	48.8
Tuscaloosa	114	14.6	63.8
Walker Washington	62 23	.6	2.8
Wilcox	42	1.5	6.5
Winston	22	1.4	6.0
	-	named dispussions.	
State Total	4,026	\$469.7	\$2,049.6



ANOTHER METAL WORKING INDUSTRY IN ALABAMA. THE M & H VALVE AND FITTINGS COMPANY PLANT AT ANNISTON.

AGRICULTURE



THIS IS A POTATO FIELD IN SALDWIN COUNTY, ALABAMA. THIS AREA SHIPS CLOSE TO 7,000 CARS OF POTATOES PER YEAR.

Improved Methods Boost Farm Profits

ALABAMA farmers have made rapid progress in many ways in recent years. The most popular measures of such progress include comparisons in production and income. Other types of progress, not so easily measured, are of equal importance.

Perhaps one of the most significant advancements is that farmers have become more keenly aware of the importance of economic principles as applied to their farming operations. They realize the significance of the fact that income is determined by the volume of production and the prices received for crops and livestock produced. Moreover, farmers know that high farm production depends upon large acreages and high yields of crops, livestock, and livestock products.

For a number of years the total volume of agricultural production has been increasing in Alabama. This was true even when labor, machinery, and fertilizers were short during the war years.

The impact of these increases, when measured in terms of income, is encouraging. For example, cash receipts from farm marketings in 1949, at \$345,700,000, were more than three times the average for the period 1935-1939. At the same time, production expenses increased at nearly the same rate. And yet, realized net income in 1949 was about three times the amount received in any of the years between 1935 and 1939. The per farm income exceeded \$1,900 in 1948 for the first time in history. Because of this higher income, the Alabama farmer found greater incentive to build up his business along sound lines.

Technological progress has, or course, influenced to a great extent the increase in farm income. The story of Winter legumes is of major importance. In 1918 approximately 60 acres of Winter legumes were planted on farm lands in Alahama. By 1931 the acreage exceeded 100,000 for the first time. In 1944 the planted acreage exceeded one million acres, and farmers are planting an acreage in excess of this figure at the present time.

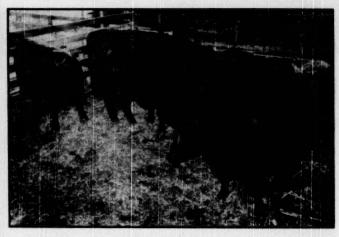
The farmer's knowledge of the value of commercial fertilizer has been another great instrument in the march of progress. Alabama farmers used more than one million tons of commercial fertilizer in 1949, an all-time record. Yet farmers realized that a far greater tonnage would have been profitable had it been available. Cash receipts from crops in '49 totaled \$221,900,000.



TURNING THE EARTH IN ALABAMA'S RICH BLACK BELT.



MEAT PACKING-GROWING INDUSTRY.



DEVELOPMENT OF PASTURES AND INCREASED PRODUCTION OF FEED AND FORAGE CONTRIBUTE GREATLY TO THE RAISING OF SUCH PRIZE WINNING BLACK ANGUS CATTLE AS THOSE SHOWN IN THE ABOVE PHOTOGRAPH.

Experience with control programs on major cash crops in recent years has had two very outstanding effects. First, farmers learned the necessity of producing high yields on controlled acreage, and second, they learned to make acreage planted to crops not under acreage control bear a larger portion of the economic load. At the same time, farmers have become keenly aware of the necessity for making the acreage planted to non-cash crops produce a greater share of the cash income.

Production figures speak for themselves.

Cotton yields are steadily increasing. In the tenyear period, 1923 to 1932, the average yield was 172 pounds per acre. In the ten-year period, 1937 to 1946, the average yield was 261 pounds per acre. The 1948

TERRACING FARM TO PREVENT SOIL EROSION WITH AN ALLIS-CHALMERS TRACTOR MADE IN GADSDEN.

yield was 351 pounds per acre, the highest on record.

Cash receipts from cattle and calves were \$6,660,000 in 1935, compared with \$44,259,000 in 1948. For hogs the figure was \$2,837,000 and \$31,754,000; dairy products, \$6,778,000 and \$25,376,000; poultry, \$4,274,000 and \$25,491,000. These figures reveal that farmers are rapidly learning to manage livestock in the farm business. (Livestock total 1949—\$125,809,000).

Mechanization has been very instrumental in achieving increased production per unit. Now sufficient power is recognized as a necessity on most farms.

LIVESTOCK

Alabama's cash crop for many years was cotton and cotton alone. With the increase in farming costs, standards of living and the importation of the boll weevil and its destruction, no longer could cotton be depended upon for the only source of farm income; therefore, attention was turned to a more lucrative utilization of the land. Diversified crops, cattle, hogs, sheep and poultry production were developed in quantity, quality and efficiency of production. As the volume of production increased and the quality improved, Alabama developed cash markets for these products throughout the state. There is now no problem of realizing quick cash from livestock, poultry and various diversified farm products. The quantity and quality of these are now such that buyers are seeking them.

In the last few years the quality of cattle has been greatly improved by the importation of pure herds and pure bred sires for the native cattle. There are now many pure bred beef herds of the Angus, Hereford, Short Horns: and of late, the Brahmans. Most of the common herds have been cross-bred with the above pure breeds. The Brahman breed, principally Guzerat Nellore, have been used principally in the coastal areas for cross-breeding, due mainly to the fact that they sweat through the pores of their skin (a characteristic from the British breeds), permitting them to withstand more heat, being less affected by insects and having long legs

facilitating their ranging. Among the dairy herds now are found pure bred Ayrshires, Gurnseys, Holsteins, Jerseys and Brown Swiss. Many of the great dairy herds have such fine qualities brought about by cross-breeding with pure breds that it is difficult to tell them from the pure breds.

There are now some sixty livestock markets in the State, over 80 quick freeze locker plants have been constructed, all of which sell or prepare and store fresh meat for farm and home use. Many of them kill. All of them furnish an outlet for livestock one way or the other. The quick freeze locker plants of the State are now valued at nearly four million dollars.

Montgomery is the largest cattle market south of the Ohio River and East of the Mississippi.

Believe it nor not bees are classed as livestock and a very interesting fact is that Alabama ships annually about two-hundred thousand pounds of bees and about two-hundred thousand queens, more than any other state. This vast shipment of bees goes principally to the colder climates for pollination of plants. This practice greatly increases productivity. It is now big business.

We might add that the most recent forward step taken by the State in development of its livestock and agricultural educational program has been the program set up by the State Legislature for the construction of one centrally located large agricultural educational coliseum in Montgomery, together with six other regional coliseums throughout the State. These have been badly needed for the gathering of the farm folk for the exhibition and study of their products and programs. The State coliseum at Montgomery is under construction and is to be ready for use about January 1951, and 4 regional coliseums, namely, Decatur, Demopolis, Andalusia and Dadeville have been completed and others are to be constructed. These facilities have been badly needed for several years. Alabama has now one of the largest agricultural educational programs in the United States having some 250,000 farm men, women and youths in this program under the leadership of the Alabama Extension Service and the Vocational Agricultural Education Department of the State Department of Education.

Perhaps the most important progress that has been made in recent years is the increase in know-how—a factor that will show up as years pass. Too, they have learned the importance of achieving economic balance in the farm business. They have learned the advantage of fitting both livestock and row crops into a diversified farm program.

Agricultural Production By Counties—1949

COUNTIES	No. of Farms	Value of Production \$(1000)
Autauga	1665	3,874
Baldwin	3251	11,520
Barbour	3547	9,370
Bibb	1591	2,526
Blount	4689	11,349
Bullock	2225	4,659
Butler	2886	4,642
Celhoun	2355	4,489



HOGGING CORN IN THE FIELD, HOG PRODUCTION IS A MAINSTAY FOR MANY AN ALABAMA FARMER.

Chembers	2739	5,530
Cherokee	2670	8,363
Chilton	3786	6,434
Choctaw	2887	3,447
Clarke	3723	4,454
Clay	2344	4.045
Cleburne	1782	3,447
Coffee	3951	13,005
Colbert	2146	6,810
Conecuh	2568	3,959
Coosa	1441	2,185
Covington	4136	9,472
Crenshaw	2686	6,042
Cullman	7119	20,446
Dale	2432	6,485
Delles	4857	10,581
De Kelb	6380	17,476



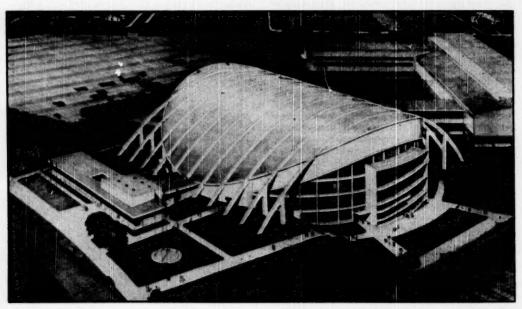
WINTER VEGETABLES ARE NOW A BIG INDUSTRY IN SOUTHERN ALABAMA. HERE CABBAGES ARE GATHERED.



A. P. I. EXTENSION POULTRYMAN "TALKS TURKEY" WITH A YOUNG 4-H'ER IN TALLADEGA COUNTY.

COUNTIES (continued)	No. of Farms	Value of Production \$(1000)
Elmore	3519	8,875
Escambia	1916	4,369
Etowah	3545	6,298
Fayette	2765	5,564

Franklin	3314	6,724
Geneva	3489	10,786
Greene	2505	3,891
Hale	3128	5,956
Honry	2896	9.796
Houston	4548	15.565
Jackson	5013	11,981
Jefferson	6278	9,677
Lamar	2832	5.854
Lauderdale	4287	9,489
Lawrence	3293	11,759
Lee	2492	5.820
Limestone	4399	14,626
Lowndes	2297	4,915
Macon	3117	7,612
Medison	4778	16,196
Marengo	3889	7,509
Merion	3899	6,775
Marshall	5351	14,268
Mobile	2856	8,585
Monroe	3392	5,342
Montgomery	3076	10,035
Morgan	4240	11,418
Perry	2784	5,564
Pickens	3578	7,475
Pike	3671	11,708
Randolph	2954	5,547
Russell	2380	4,608
St. Clair	2537	3,465
Shelby	2195	3,413
Sumter	3411	6,076
Talladega	3179	6,246
Tallapoosa	2893	4,847
Tuscaloosa	4564	8,465
Walker	4621	5,956
Washington	1459	1,826
Wilcox	3687	5,376
Winston	2486	4,233
State Total	223,369	\$509,100



ALABAMA'S \$1,500,000 AGRICULTURAL CENTER COLISEUM NOW UNDER CONSTRUCTION BY THE STATE AT MONTGOMERY.

FOREST PRODUCTS



W. T. SMITH LUMBER COMPANY'S PLANT AT CHAPMAN. THIS FIRM OPERATES TWO OTHER LARGE PLANTS IN ALABAMA.

Alabama Leads in Forest Management

LVIDENCE that improved forest management, selective cutting, reforestation, etc. was being practiced with good effect in Alabama was forthcoming recently upon publication, by the American Forest Products Industries, of figures that show Alabama to be the leading tree farm state in the nation. At the beginning of 1950 Alabama had a total of 325 farmers and landowners classed as "tree farmers" because of their management of timber lands.

Nearest Alabama, among the Southern states was Arkansas with 74 tree farmers. Outside of the South, Michigan was second behind the Cotton State with 169 tree farmers. Alabama has 2,252,903 acres certified as "farms." This acreage is distributed among many farmers while totals for other leading states included the holdings of several large timberland owners.

The timber resources of Alabama are so vast that their utilization is not being accomplished in the fullest measure. There is enough room to supply many great pulp and wood using industries in several sections of the state.

Alabama's forests which cover close to 19,000,000 acres in the state support between 2,500 and 2,700 saw

mills, a half dozen pulp and paper mills and over 100 other wood using industries, thereby indirectly giving employment to more than 100,000 people. In 1948 Alabama produced 2,158,123,000 board feet of lumber. This compares with 2,109,749,000 in 1942.

TYPES OF TREES

The principal soft woods species are longleaf, shortleaf, loblolly and virgin pine, cypress, red cedar and hemlock. Hardwoods include oak, red gum, yellow poplar, ash, basswood, beech, cottonwood, hickory, magnolia, sycamore and others of minor importance.

Of the total forest area of approximately 19,000,000 acres more than half are under intensive fire protection, and most of the remaining portion are being managed according to good forest practices.

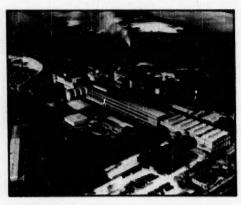
The Alabama Tree Farm System, mentioned above, which was inaugurated in 1942 by the Alabama State Chamber of Commerce in cooperation with the State Division of Forestry and the Southern Pine Association is doing a great deal to perpetuate the forest resources of the state. The forest landowners that are qualifying to receive Tree Farm Certificates are doing



TUSCALOOSA PLANT, GULF STATES PAPER CORPORATION.



INTERNATIONAL PAPER COMPANY MILL AT MOBILE.



ADDITIONS TO HOLLINGSWORTH & WHITNEY PLANT BUILT BY RUST ENGINEERING CO., BIRMINGHAM.

so by keeping fires out or at least at a minimum, by practicing the latest and best methods of selective cutting and planting seedlings and by practicing good reforestation in general.

Part of the Alabama Tree Farms program includes forestry courses in the Vocational Agriculture classes of the state schools, and instruction in correct planting methods, etc.

If proper care and attention are exercised it does not require a lifetime to grow a crop of timber in Alabama. Its trees, under proper management, grow at a rate to provide a reasonable return on invested capital. Landowners have realized that timber is a crop and they are protecting their properties from fire and trespass. Methods of cutting that will make their forests self-perpetuating are being instituted and used, and real progress toward this ultimate goal is being made.

MODERN METHODS

A good example of one of the more modern methods that are now being employed in so far as selective cutting is concerned is brought out in an account that appeared in a Southern lumber magazine recently. The Alabama Lumberman, reporting on the method of selective cutting used on a particular tract of 36,000 acres, has this to say: "One of the nation's outstanding applications of selective-cutting methods for commercial purposes is being made . . . at Brewton, Ala. Selectivecutting methods are being applied throughout an entire . . . tract of 36,000 acres. Foresters are marking every tree to come out of it and are endeavoring to get the most value per cubic content of timber whether it is to be used for pilings, poles, pulpwood or converted into lumber. By this method the greatest advantage can be taken of existing or future market prices. This is particularly true with regard to lumber, because with the portable equipment being used, the mill can be moved frequently and to any position in the forest to take out the logs that are in greatest demand.

The portable mill referred to is the Jackson Lumber Harvester, manufactured in Brewton, Ala., and its advantages are its portability, accuracy and high production.

STATISTICS

Commercial forest area in the state actually totals 18,800,000 acres. This total forest figure compares with 19,357,000 acres of farm land. Of the total forest acreage 10,151,000 acres or about 53 per cent is in saw-timber area with a stand of approximately 7,412,000,000 cubic feet. 2,583,000 acres or approximately 16 per cent of the total figure is in poletimber area, with polewood volume standing close to 6,206,000,000 cubic feet.

An important Alabama forest industry is the production of naval stores. Production of gum turpentine during the 1947-48 naval stores year was 20,219 barrels, the Bureau of Agricultural Economics reports. This was almost fifty per cent more than was produced in the 1946-47 crop year, and about thirty-five per cent above the average for the preceding four year period. The 1947-48 crop amounted to approximately seven per cent of the entire United States production of 294,-028 barrels, all of which is produced in six Southern states.



MARBLE QUARRY AT SYLACAUCA, ALABAMA, WHERE SOME OF AMERICA'S MOST BEAUTIFUL WHITE MARBLE IS PRODUCED.

1949 Value of Production at \$118,500,000

HE vast iron ore deposits in the Birmingham and Gadsden areas lie in close proximity to coal and fluxing materials, and the production of limestone, lime and cement are of only slightly less importance to the economy of these districts than are iron and steel.

COAL

Alabama's coal fields in 1949 had sales amounting to \$75,200,000, a figure almost triple the \$27,800,000 reported for 1939. The work sheets of the 1950 Blue Book of Southern Progress reveal the following statistical breakdown for the coal mining industry last year. The sales figure reported above resulted from the output from a total of 400 plants with an active plant and equipment value of \$50,500,000, and the employment of 21,100 persons. Income from payrolls and profit amounted to \$53,500,000, while the cost of material and services totaled \$21,700,000.

IRON ORE

Sales resulting from metal mining in Alabama in 1949 came to \$35,000,000. The greatest part of this, of course, came from the mining of the two major iron ores found in the state—red ore and brown ore. A similar breakdown for metal mining as shown for coal

mining above shows: 25 plants with an active plant and equipment value of \$33,700,000. These plants employed 7,400 people, and had an income from payrolls and profits of \$24,800,000 and a \$10,200,000 cost for materials and services. 1949's sales were three and one-half times 1939's \$10,000,000.

OTHERS

FLAKE GRAPHITE—The three Alabama counties of Clay, Chilton and Coosa probably have the largest deposits of flake graphite in the United States. Reserves a few years ago were estimated at close to 80 million tons of the rock from which 2% or about 1,500,000 tons of graphite can be recovered. It is used for crucibles, lubricants, foundry castings and the like.

SAND AND GRAVEL.—Deposits of sand and gravel are common throughout the state. Molding sand is found in several localities close to the foundry industries of Birmingham, Gadsden and Anniston. Glass sand is found on the Gulf coast and in the northeast section of the state. Production of sand and gravel in 1947 was 3,400,000 tons valued at \$2,272,000. In 1949 sales from all non-metal mining totaled \$7,700,000, of which a little less than \$2,000,000 was realized from sand and gravel, clay and shale, etc.



MODERN METHODS USED IN RECOVERY OF COAL BY DE-BARDELEBEN COAL COMPANY AT BIRMINGHAM, ALA.

STONE—Some of the finest marble in the country is produced in east-central Alabama, and there is an abundance of high grade shales and clays which occur in such a manner that quarrying can be accomplished economically. There are also large and well defined deposits of lignite, fullers earth, dolomite, sandstone, limestone, and bauxite.

PETROLEUM—Petroleum was discovered in the southwestern part of the state in 1944, and several wells in that section are currently producing oil of about 19 degrees gravity from levels of about 2,500 to 4,000 feet, and additional explorations are being carried on at many different points. Since the initial producer came in in 1944, at least thirty-six producing wells have been completed in the same field—the Gilbertown Field. The most favorable area for prospecting for oil and gas, as well as for salt and sulphur, is in southwestern Alabama. After this section come the northeastern and southeastern areas of the state. Total production of 36 wells in Choctaw County in 1948 was 465,241 barrels. It is believed by some that Alabama is destined to become a major producer of oil and gas.

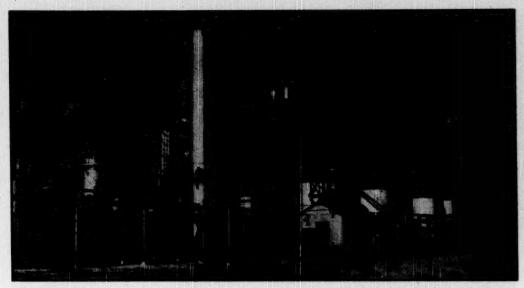
In combination with these vast resources, there is, as a complement to their industrial utilization, an abundant supply of good soft, pure water from either surface or subterranean sources. The processing industries in Alabama, using millions of gallons of water per day, do not find it necessary to treat this water prior to its use in their processes. In many instances they have their own deep wells, others use water from the creeks and rivers, and still others from the many springs and artesian wells.

Mineral Production—1949 By Counties

Counties	Firms	No. Persons	Value of Production Engaged
Autauga			***
Beldwin			••
Barbour	6		0
Bibb	11	760	\$2,252
Blount	9	129	354
Bullock			
Butler		**	
Calhoun	.6	56	85
Chambers			
Cherokee	**		
Chilton		4.4	
Choctaw	3	16.	63
Clarke		* *	
Clay			- 1 **
Cleburne		**	* *
Coffee	4.8		
Colbert	3	137	306
Conecuh			
Coosa	**		
Covington			0
Crenshaw			
Cullman	9	100	185
Dale			



VIEW OF THE MANY KILNS AT THE JENKINS BRICK COMPANY PLANT LOCATED AT MONTGOMERY, ALABAMA.



THE HUNT OIL COMPANY REFINERY. ALABAMA IS EXPECTED TO BECOME AN IMPORTANT PETROLEUM PRODUCING STATE.

Dellas	-		
DeKalb			- 1-
Elmore	2		
Escambia	6	35	58
Etowah	8	83	338
Fayette	6	25	58
Franklin	. 4	189	661
Geneva	2		0
Greens			
Hele			
Henry			
Houston			
Jackson			
Jefferson	183	22,671	86.223
Lemar			
Lauderdale			
Lawrence			
Lee			- 125
Limestone			
Lowndes			
Macon			
Madison	6	39	6.9
Marenge			
Merion	19	514	1.581

Marshall		110	416
			710
Monroe	1 1 1		- 12
Mentgomery	2		
Morgan			
Perry		100	0
Pickeni.	2		0
Pike			
Randolph	**		
nando pri	1.5	4.4	
Russell	11.72	1.9	11
St. Clair	3	1.56	4,013
Shelby	11	785	2,850
Sumter	144	The state of	0
Talladinga	3	147	365
Tallapoosa			
Tuscaloosa	19		1,919
Walter	103	4 044	16,702
	103	*.***	16,702
Washington	1 4		
Wilcon			**
Winston			
			-
Total	445		\$118,500
• 0 miles than \$50,000			
THE PERSON NAME AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS ASSESSED.			



AIR VIEW OF WORKS OF BIRMINGHAM SLAG COMPANY.



ALABAMA BY-PRODUCTS CORP. LABUCO, ALA. COAL MINE.

TRANSPORTATION



STATE DOCKS AT MOBILE FACILITIES INCLUDE ALL NECESSARY EQUIPMENT FOR THE HANDLING OF HEAVY CARGOES.

Alabama's System One of Nation's Finest

ALABAMA is served by twelve trunk line railroads and twenty-one smaller railroads, and these in combination with an unusually good system of highways and bridges, form a transportation network over the state which allows over-night delivery of goods to most of the South, and forty-eight hour delivery to practically all of the heavily populated sections of the United States.

There are perhaps as many navigable miles of rivers in Alabama as in any other state in the Union, and

IMPROVEMENTS UNDERWAY AT THE STATE DOCKS WILL ALLOW FOR BERTHING OF MANY ADDITIONAL SHIPS.

plans are underway to add hundreds of miles to this economical means of transportation by canalizing the Alabama-Coosa System for a nine foot channel. Add to this the facilities of the State Docks at Mobile and you have one of the finest systems of water transportation in the South.

Four nationally known airlines serve the state, one of which ties in all of the principal points in the state, with many flights each day. In addition to these-Delta Air Lines, Eastern Air Lines, Capitol Air Lines and National Air Lines - a new line serving the South Southern Airways-began its operations in June of 1949 with one round trip daily between Memphis, Tenn. and Atlanta, Ga. and the intermediate points of Columbus, Miss., Tuscaloosa, Birmingham and Gadsden, Alabama. By the end of September 1949 two round trips daily over the entire system were provided to twenty cities in seven Southeastern states and the company is now flying 5,400 scheduled miles per day. Spotlighting the progress of air transportation in the state is completion of a \$1,000,000 improvement program at Mobile's municipal airport, Bates Field.

Two recent developments of importance in so far as the railroads that serve the state are concerned involve the St. Louis-San Francisco Railway and the Central of Georgia. The Frisco during 1949 expanded its operations and interest in Alabama with the acquisition of control of the Alabama, Tennessee and Northern Railroad. The Frisco hereby gained direct access to the



CENTRAL OF GEORGIA FREIGHT



LOUNGE CAR ON TRAIN RUN BY PRR. LAN, SOUTHERN AND ALA. & WESTERN.



DIESEL ENGINE IN SERVICE ON WESTERN RAILWAY OF ALABAMA.

Port of Mobile. Previously the railroad had an agreement with the A. T. and N. for the handling of freight at Aliveville, Ala. where the two lines cross, but by gaining control of this line the Frisco is able to give service direct to the port and to many cities in the nine state area it serves. The new link is the first direct connection many of the Frisco cities have to the Port of Mobile.

The Central of Georgia reports that its Industrial Development Department has been quite successful, since the war, in its efforts to locate industries along its lines in the state of Alabama. From January 1, 1944 through October 1949, a total of 197 new or expanded industrial firms and businesses have been located on Central of Georgia lines in Alabama.

STATE DOCKS

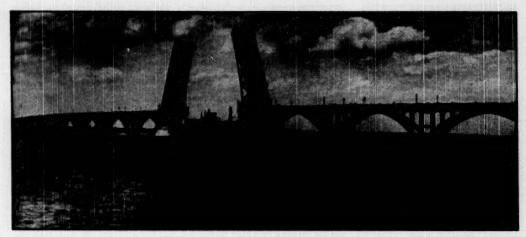
Importance of the State Docks to Mobile often has been over-emphasized with the restrictive result that many people lose sight of the value of the deep-water terminals to the State of Alabama as a whole.

It is the people of Alabama—not just Mobilians—who are the principal beneficiaries of the \$30,000,000 worth of state-owned facilities at Mobile. The Docks are not only earning a substantial percentage of interest on the original investment of \$10,000,000 but the mere existence has saved Alabama shippers more than \$12,000,000 in shipping costs alone. This saving has been made possible because of a differential in freight rates and because the modern, economical docks provide a nearby gateway for the movement of industrial and agricultural products to and from Alabama.

This benefit has been enjoyed by both manufacturers and farmers who use the Docks for export of their products and for the import of such vital materials as rubber, iron ore, fertilizers and others. But ramifications of the movement of such commerce is of equal significance. Railroad lines, truck lines, barge lines, air lines, and other means of transportation which run through the state also reap important benefits from the millions



BOYLES RAILROAD SHOPS AND YARDS MAINTAINED BY THE LOUISVILLE & NASHVILLE RAILROAD COMPANY IN ALABAMA.



KELLER BRIDGE ON U. S. 31 AT DECATUR, ONE OF MANY MODERN BRIDGES IN ALABAMA'S FINE HIGHWAY SYSTEM.



SOUTHERN AIRWAYS, NEW LINE SERVING ALABAMA.

of tons of commerce which annually move to and from the seven seas via the Port of Mobile.

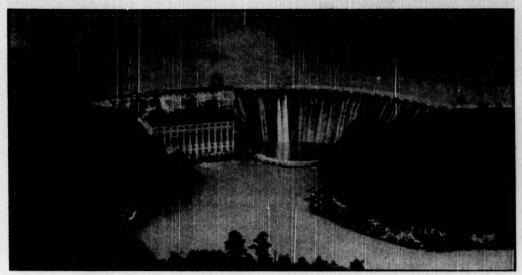
It has been estimated, furthermore, that more than 100 million dollars worth of new industries have settled in Alabama because of the existence of the Docks. This, quite naturally, has resulted in increased employment and other economic and social blessings for the people of Alabama. And, by the same token, the State Docks looks to its allied interests throughout Alabama for its continued success as a major port.

To assure the continuation of the terminals' overall usefulness to the State, a two-and-a-half year expansion program has been virtually completed. Three new piers and accompanying warehouses and transit sheds were completed in November. These give the docks a total of 25 ship berths and other facilities needed for the Alabama port to retain its leadership among important ports of the world. Total cost of these and other improvements will be about \$7,000,000—with the entire program financed by Docks Revenue Bonds and without the benefit of state revenues.



FRISCO RAILWAY'S MODERN NEW FREIGHT STATION AT BIRMINGHAM, ONE OF THE FINEST IN THE SOUTHEAST.

POWER & FUEL



ALABAMA POWER COMPANY'S MARTIN DAM ON THE TALLAPOOSA RIVER, 40 MILES NORTHEAST OF MONTGOMERY.

Power Output Reflects Industrial Growth

MANY hundreds of thousands of horsepower are produced annually through the harnessing of Alabama's streams, and steam plants supplied with coal from Alabama fields add additional hundreds of thousands of horsepower. A vast system of transmission lines stretching throughout the state make it possible for an industrialist to place his plant in the optimum location, with the assurance that a reliable and economical source of power will be near at hand.

Alabama's coal fields yielded 12,033,000 tons in 1949. Tonnage would have been considerably greater had it not been for the unusually high number of work stoppages last year. In spite of this, the total number of tons mined equalled the average production of a few years ago.

ALABAMA POWER CO.

In the territory served by it, Alabama Power Company's generating facilities total 839,560 kilowatts, and consist of six hydroelectric plants and four major steam generating plants. These power plants feed into a network of transmission lines of ample capacity to provide a dependable power supply for all sections of the area served. Further expansion of generating facilities totalling 140,000 kilowatts is under way or scheduled.

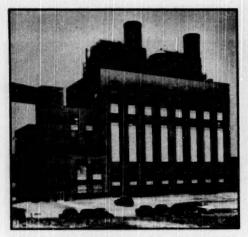
The quality of service supplied is high, and its cost to the industrial user is so low that all industries, with a few exceptions, take their power supply from Alabama Power Company. The exceptions are steel, paper and pulp plants, who generate some of the power for their needs but purchase additional quantities from the Company.

Increase in power generating facilities is in anticipation of a continuing growth in Southern industrial expansion as well as increased use of electricity in the home and on the farm.

Alabama Power Company's generating and transmission system is interconnected with similar systems in adjoining states and its operations are integrated with them, resulting in an exceptionally stable and dependable power supply. As a result of industrial and rural development, Alabama Power Company's total number of customers has increased from 151,153 at the end of 1939 to 332,000 at the end of 1949. The industrial consumption has increased 116% within the ten-year period—an indication of Alabama's industrial progress.

During 1949 Alabama Power Company completed at Gadsden, Alabama, a new 120,000 kilowatt steam generating plant and increased the generating capacity of its Mitchell Dam on the Coosa River from 72,000 to 102,000 horsepower. Construction is under way on a 100,000 kilowatt addition to its Gorgas #2 Steam Plant which will, at the time of completion of the addition, have a generating capacity of 220,000 kilowatts. At that time it will be one of the largest steam generating centers in the Southeast. A 40,000 kilowatt generating unit is on order for installation at Chickasaw.

With existing industries expected to continue grow-



ALABAMA POWER CO'S NEW GADSDEN STEAM PLANT.



ALABAMA POWER'S GORGAS STEAM PLANT NO. 2.

ing and with the establishment of an entirely new group of industries, power requirements in the territory of Alabama Power Company will continue to be great. Alabama Power Company has always had power available in advance of need.

T. V. A.

The Northern tier of counties of Alabama are served by T. V. A. units, supplied by the vast system of dams and steam plants on the Tennessee River.

Municipalities operate the following plants: Albertville, Electric Dept.; Athens, Electric Department; Bessemer, Bessemer Electric Service; Courtland, Electric Department; Decatur, City Electric Department; Florence, Electricity Department; Fort Payne, Ft. Payne Improvement Authority; Guntersville, Department of Electricity; Hartselle, Electric Department; Huntsville, Electric System; Muscle Shoals, Electric Department; Russellville, Electric Department; Scottsboro, Electric Department; Sheffield. City Power and Water Department; Tarrant City, Electric Department; and Tuscumbia, Electric Department.

Aside from these city-owned systems, there are regional and county cooperatives serving seven areas in the Northern section of the state, all securing power from T. V. A.

NATURAL GAS

Low-priced natural gas is a rapidly increasing factor in the operation of Alabama industries.

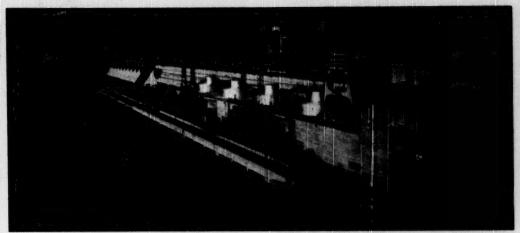
During 1948 more than 83 per cent of the 59,305 million cubic feet of natural gas consumed in the state was for industrial use.

Partial reports for 1949 indicate that both the volume and percentage of natural gas used for industrial purposes was substantially higher than in 1948.

Also indicated is a definite increase in residential and commercial use of natural gas in Alabama during 1949.



GUNTERSVILLE DAM. ON THE TENNESSEE RIVER ADDS 72,900 KW TO THE INSTALLED CAPACITY OF THE TVA.



WHEELER DAM, 6324 FEET LONG AND 72 FEET HIGH WAS THE FIRST MAIN RIVER DAM TO BE BUILT IN TVA SYSTEM.

The part-of-a-year records of the Southern Natural Gas Company—largest supplier of natural gas to Alabama—show an overall load increase of approximately 33 per cent.

Much of this increase was made possible by the expansion program completed by the Southern Natural Gas Company during early 1949.

A wide variety of industries in Alabama are using natural gas. These include the big steel plants of the Tennessee Coal, Iron and Railroad Company (U. S. Steel) around Birmingham and the Republic Steel Corporation at Gadsden as well as brick, lime, cement, rubber, powder, oil and dry ice plants along with many others.

Serving mineral-rich central Alabama the Southern Natural Gas Company's main line crosses the state from west to east just north of Birmingham, thence on to Atlanta with one major branch going south to Selma, east to Montgomery and over to Columbus, Georgia. Another major branch runs to Gadsden while smaller lines serve points near the big lines.

The United Gas Company brings natural gas to the Mobile area while a new company, the Alabama-Tennessee Gas Company, is soon to start operations in the Huntsville. Decatur and Florence region of north Alabama.

Cost of natural gas for industrial purposes varies with the amount purchased and the class of service but spokesmen for the natural gas industry in Alabama point out that its increasing use by industries located close to major coal fields is ample evidence of both the economy and efficiency of natural gas.

While virtually no gas is found in Alabama, geologists report that the gas fields of nearby Mississippi. Louisiana and Texas show promise of an ample supply for years to come.

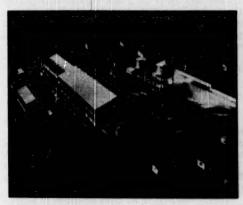
In summing up we can say that Alabama is in an excellent position with respect to the supply of power and fuel for years to come with her prospects, in fact, becoming brighter as the years go by. Alabama has been a leader and a pioneer in the nation's power industry since the infant days of commercial electricity. She can boast of the first commercial electric railway

system in the country, the one established at Montgomery in 1896. And it was also in this state that one of the first long distance transmission lines was put into service, in 1902.

Today with generating capacities at an all time high, Alabama is in an enviable position indeed. Transmission lines gird the state and rural electrification lines are penetrating the most remote communities providing electric power for industrial and other uses in an abundant supply at rates that are conspicuously favorable in relation to power costs in the nation at large.

The development of Alabama as an oil producing state, as mentioned earlier, has greatly enhanced the state's overall power potential. Likewise, the experiments being conducted on the underground gasification of coal at Alabama Power Co.'s Gorgas mine have indicated the possibility of a hitherto untapped source of power.

As a natural result of industrial expansion the total consumption of power in the state has increased tremendously. Fully aware of the possible demands of the future, provisions have been made to assure Alabama industry all the power that it needs.



COMPRESSOR STATION OF THE SOUTHERN NATURAL GAS COMPANY LOCATED AT REFORM, ALABAMA.

STATE FINANCE



ENTRANCE TO ALABAMA STATE HOUSE IN MONTGOMERY. STATUE OF JEFF DAVIS IS IN THE FOREGROUND.

Sound Fiscal Policy

STATE finance in Alabama has been on a sound footing for several years. In 1932 the state found itself with a floating debt of \$16 million, and was prompted to enact the Budget and Finance Control Act. This Act forbids the spending of money pursuant to a legislative appropriation unless the money is actually in the treasury and credited to the proper account. Shortly after this act became law, the floating debt was funded and an income tax was levied to retire the debt. Since 1935 ample funds have been available and the state has had no difficulty under this law.

The financial structure within the state has been undergoing constant improvement through the years.

STATISTICS

State debt, which amounted to \$79,200,000 in 1940, was down to \$65,800,000 in 1945 and stood at \$55,660,000 at the end of fiscal 1949. This change is equivalent to a per capita reduction in the neighborhood of \$8.00.

Assessed value of taxable property which stood at \$508,569,000 in 1910 and at \$976,719,000 in 1940, had risen to \$1,312,367,000 by the end of 1947.

Banking resources of all types amounted to \$1,337,-500,000 as of December 31, 1947. Bank deposits totaled \$1,261,600,000 for the same year. Liforce totaled \$519,418,000.

Over half of the state's receipts in recent years has come from sales taxes (gasoline, retail sales, use, and tobacco). The remaining portion is derived from income taxes, general property taxes, motor vehicle licenses, and corporations taxes. A good portion of all state receipts come from federal grants, and a little less than ten per cent is derived from profits of the state liquor monepoly.

In 1947 about 30 per cent of state expenditures went for schools. \$24,000,000 was spent on highways, \$8,-200,000 was earmarked for health and institutions and \$9,800,000 was spent on public welfare.

The state government of Alabama has had a merit system since 1939, under which state employees, numbering in normal times about 7,000, are selected on the basis of competitive examinations for appointment to the classified service. The state service in Alabama ranks with the best in quality and efficiency. The personnel system extends not only to state employees but also in many instances to local government. Employees of county boards of health are selected by the State Personnel Department.

STATE MONOPOLY

The government of Alabama operates two large public service enterprises—the State Liquor monopoly and the State Docks and Terminals. The former is administered by the Alcoholic Beverage Control Board which has jurisdiction over the retail package sale of vinous and spiritous liquors in over 50 liquor stores in the wet counties of the state. This monopoly which had its inception in 1937 has always been a fruitful source of public funds.

The second monopoly operated by the state is the Department of State Docks and Terminals. In 1927 a \$10,000,000 bond issue was floated for the purpose of buying and building dock and terminal facilities at Mobile. The department charges fees for service and for the use of the facilities, and in this way pays the cost of its own operation and contributes money towards servicing the docks and terminal bonds.

COUNTY GOVERNMENT

County government in the state has shown little change in recent years. All counties are governed by the county commissioner courts or boards of revenue. County affairs are regulated extensively by the State Legislature through local and special laws. Every county has up-to-date health and welfare and education departments, each of which is closely supervised by state agencies.

Alabama has a two-house legislature, the members of which are elected for four year terms. The Legislature meets biennially for 60 consecutive calendar days, convening in the month of May in the odd numbered years. The administrative departments of the government which underwent partial reorganization in 1939 now operate as the Department of Finance, the Department of Revenue, the Department of Conservation, the Department of Industrial Relations and the Department of Commerce as either new or reorganized units.

COMMERCIAL FISHING



ALABAMA FISHERMEN PULL 3,500,000 POUNDS OF SALT-WATER FISH FROM THE GULF OF MEXICO EACH YEAR.

Alabama Prominent in Seafood Industry

HE seafood industry in Alabama is growing in importance each year. The number of seafood producing plants in the state has been increasing rapidly and there are at this time at least sixty-nine production plants in Mobile and Baldwin counties. The annual production of these plants amounts to the following approximate figures:

 Fresh-Water Fish
 150,000 pounds

 Salt-Water Fish
 3,250,000 pounds

 Crabs
 1,300,000 pounds

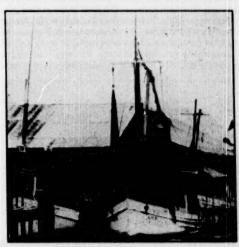
 Shrimp
 10,000 barrels

 Oysters (210-pound barrels)
 75,000 barrels

These fleets get their oysters and crabs from Mobile Bay and Mississippi Sound, and their shrimp from these two sources plus from the waters of the Gulf of Mexico adjacent to Alabama. The Gulf also produces most of the salt-water fish as well, with the snapper boats going out into the Gulf as far as Campeche, Mexico.

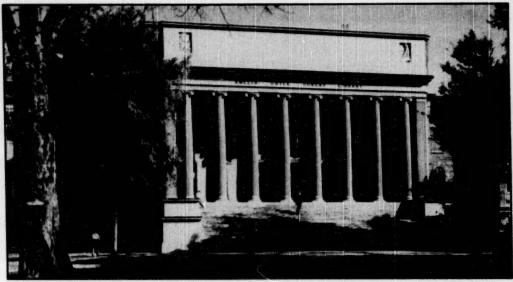
Alabama's production is well distributed throughout the United States either in the fresh, frozen or canned state, and interest in the frozen variety is on the increase due to the fact that distribution over a larger area is greatly facilitated.

The Seafood Division of the Alabama State Conservation Department is rehabilitating and enlarging the oyster beds of the state by planting thousands of barrels of oysters and shells which will in a short time increase oyster production many times. The Conservation Department is also sponsoring conservation practices for the other seafood with the goal of assuring a more consistent and abundant supply for the future.



FISHING BOATS IN DOCK, ABOUT 5000 PEOPLE GAIN THEIR LIVING FROM THIS INDUSTRY IN ALABAMA.

CULTURAL ADVANTAGES



THE BEAUTIFUL GORGAS LIBRARY BUILDING ON THE CAMPUS OF THE UNIVERSITY OF ALABAMA AT TUSCALOOSA.

Education & Research Aid Development

Alabama's public school system compares favorably with those of the other states in the nation because of an extremely effective organization and in spite of a relatively low tax rate and per capita costs. Expenditures for education in 1947 totaled \$47,100,000 with the cost per population unit amounting to \$16.62. One of the most important reasons why public education has advanced as rapidly as it has in the past thirty-five years is the agreement on the part of the citizenry on one system. With the State Board of Education through the State Department of Education exercising unusually wide powers over finances, courses of study and administrative practices of both the city and county systems, this well directed organization has been able

TUSKEGEE INSTITUTE, WELL-KNOWN COLLEGE FOR NEGROES FOUNDED BY BOOKER T. WASHINGTON.

to make every tax dollar count. While the disadvantages of a highly centralized system such as this are well known, the records show that much waste and inefficiency, apparent where there are hundreds of autonomous school districts, has been avoided here.

An adequate teacher retirement system, as well as a plan of tenure and a minimum salary scale based on training and experience, are now in operation.

Recent increases in the annual appropriations have permitted new and enlarged facilities for negro higher education, and have improved grammar and high school education for all children. Regarding the efforts that have been made to improve the facilities for higher education of negroes in the state, the 1949 Alabama State Teachers Assn. Yearbook reports that: "There has been accelerated effort to improve the facilities for the education of negroes and most significant strides have been made . . . during the current decade in increasing the appropriations for maintenance, in broadening and expanding "upward" the curriculum offerings, and in making appreciable additions to the plant facilities. In Alabama, the appropriations for the higher education of negroes have been trebled, the offerings have been broadened on the undergraduate level as well as extended upward into the graduate area both at Alabama State College and Tuskegee."

State institutions of higher learning include the University of Alabama, at Tuscaloosa with the four year medical school at Birmingham, Alabama Polytechnic Institute at Auburn, Alabama College for Women at Montevallo, and four teacher training colleges located







HISTORIC STAMFORD HALL AT A. P. I.

at Florence, Jackson, Livingston and Troy. The state also maintains the State Teachers College for Negroes at Montgomery and contributes to the support of famous Tuskegee Institute. Other institutions of higher education, of a private and denominational nature, located in the state are Howard College and Birmingham Southern College, both at Birmingham, Judson College at Marion, Springhill College at Mobile, Athens College at Athens and Huntingdon College at Montgomery.

RESEARCH

AT A. P. I.—Alabama Polytechnic Institute is the Alabama land-grant college. It is located at Auburn and is also known as "Auburn."

Alabama Poly has three main divisions: Instruction, Research and Extension.

Through Instruction, the Institute trains its students to become leaders in improving economic and social life. Through Research, it seeks and finds solutions to various problems confronting both rural and urban residents. Through Extension, the results of research are carried to citizens on the land and in the homes.

The Agricultural Experiment Station division of A. P. I. includes 21 experimental units located on the more important soil types throughout the state. They include the main experiment station at Auburn, eight sub-divisions, six experiment fields, a plant breeding unit, and five forest units.

The research program is extensive in scope and productive in results. Here are examples: The station found that milk from cows on green grazing crops is five times richer in vitamin A content than milk from cows on a balanced ration of dry feed.

The station was the first to produce cancer in experimental animals by dietary deficiency. To further explore this new field, the American Cancer Society awarded funds to aid in additional research.

SOUTHERN RESEARCH INSTITUTE—The Southern Research Institute, of which Alabama Power Co. is one of the founders, was organized to make available in the South research facilities equal in quality to those elsewhere. The laboratory has a staff of able scientists. They are enthusiastically at work on sponsored research projects in such varied fields as cotton, cottonseed products, tobacco, peanuts, citrus products, oil drilling, penicillin, mechanics, metals and others. Industrial research in the South is expanding as never before, and will bring forth new goods, new services, new industries, and do much to improve the standard of living and to provide jobs at good wages.

LANIER HOSPITAL

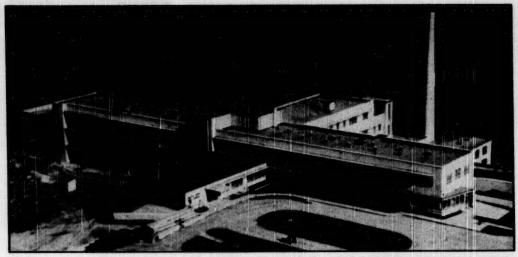
The George H. Lanier Memorial Hospital, a new two million dollar hospital in North Langdale overlooking the Chattahoochee river is one of the most modern in the nation. The hospital was conceived in 1942 by



TRINITY HIGH SCHOOL FOR NEGROES AT ATHENS, ALA.
OFFERS MANY SPECIAL EXTRA COURSES FOR ADULTS.



OLD MANSION NOW USED IN EDUCATION OF NEGROES AT STILLMAN COLLEGE, LOCATED AT TUSCALOGSA.



GEORGE H. LANIER MEMORIAL HOSPITAL AT LANGSDALE SERVES SIX TEXTILE TOWNS OF THE CHATTAHOOCHIE VALLEY.

Mr. George H. Lanier to meet the increasing needs of the community and to provide for the people the very best in hospital equipment and services. It will serve 6 towns in the Valley and adjacent areas in east Alabama and west Georgia. Over a period of six years funds were contributed by the textile workers, and other citizens and friends, by the West Point Manufacturing Co., and the Lanett Bleachery and Dye Works. It was the first hospital in the nation to receive a federal grant under the Hill-Burton Hospital Act.

MUSIC, ETC.

Cutstanding in Alabama's cultural life are the numerous music and study clubs. Under their sponsorship, noted performances are brought to both large and small communities. The Birmingham Civic Symphony inactive during the recent war, has been reactivated with 80 talented players composing the orchestra under the direction of Arthur Bennett Lipkin, conductor. Mr. Lipkin formerly was with the Philadelphia Orchestra. The performances of the Birmingham Civic Symphony have been acclaimed as being on a par in technical excellence with those of symphony orchestras of many years' experience. At each concert the orchestra features a premiere of the work of a Southern composer and thus offers a vehicle for the expression of exceptional native talent. Newcomers to Alabama, especially those coming from sections of the country renowned for their interest in cultural subjects, are pleased to find, if they are so inclined, many formal and informal groups in every field of cultural interest.



NEARLY-COMPLETED HOME OF W. H. HOOVER, AT BIRMINGHAM, TYPIFIES ALABAMA'S TRADITION OF GRACIOUS LIVING.

RECREATION



GUNTERSVILLE LAKE IS ONE OF AMERICA'S MOST PICTURESOUE SCENIC RESORTS WITH FISHING, BOATING, BATHING, ETC.

Attractions are Wide and Varied

ALABAMA is a land of fascinating contrasts insofar as her recreational opportunities are concerned. Many state parks such as Cheaha are scattered throughout the state from the beaches of the Gulf shores to the northern mountains. These parks have comfortable cabins, completely equipped, central lodges, and facilities for many types of recreation.

The thousands of miles of rivers and creeks, the hundreds of lakes. Mobile Bay and the Gulf afford opportunities for enjoying sports afield. Of special interest to those anglers that want to try their skill are the great lakes that have been created by the development of the Tennessee Valley system and by similar dams on rivers in the central part of the state. Among the species of fish that may be found in these waters are bass, bream, wall-eyed pike, crappies and white lake bass.

For the hunter the state offers more wild turkeys than any other state as well as a good number of deer and quail. An added attraction for fishermen is the state's annual Deep Sea Rodeo held in August of each year.

STATE PARKS

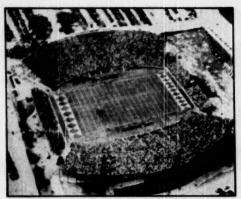
Monte Sano State Park, just east of Huntsville on

famous Monte Sano Mountain provides a good example of the facilities available in like areas all over the state. Most of this park is at an elevation of 2,000 feet above sea level and provides views considered by many to be among the most beautiful in America. There are 16 attractive cottages fully equipped for family vacations, and a large tavern provides dining and dancing facilities. The lodge, picnic areas, and shelters are ideal for family picnics and other outings. A natural amphitheatre is available for large gatherings, and hiking trails and bridle paths abound in the park.

Cheaha State Park which is located within easy driving distance from any point in the state boasts of just about anything and everything that a vacationer could want in the way of summer amusement. Cheaha Mountain is a scenic wonder in itself. It juts 2,407 feet into the sky. The whole park was laid out with the idea of maintaining the natural beauty of the area. It covers 2,679 acres.

TOURIST ATTRACTIONS

Tourist travel, interrupted by the war, is now growing by leaps and bounds, and visitors are finding much of interest. The visitor is charmed by the many old homes typical of the South prior to the war between



ERNEST F. LADD MEMORIAL STADIUM AT MOBILE, SCENE OF MANY EXCITING FOOTBALL GAMES EACH YEAR.

the states that still exist in the midst of a modern, rapidly developing state.

The beautiful Azalea Trail in Mobile is known far and wide, and in close proximity are the famous Bellingrath Gardens. These gardens, open all year, are at their best during the late winter and early spring when the camellia, Japonica and azaleas are in full bloom.

In Montgomery, the state's capital and the birthplace of the Confederacy, the old and beautiful state capitol building is still in use. It was here that Alabama seceded from the Union and where Southern statesmen took the action that launched the War Between the States. In this same area stands the first White House of the Confederacy where Jefferson Davis



FLAGSTONE WALK IN FAMOUS BELLINGRATH GARDENS, NEAR MOBILE IS ONE OF AMERICA'S BEAUTY SPOTS.

made his home in the early days of the Confederacy.

Historic interest has been retained by all towns and cities as they have progressed in this modern age. Beauty spots are numerous from the Spanish Trail along the Gulf coast to the hills of the north.

From the foregoing it is easy to believe that Alabamians do not want for a wide variety of recreational opportunities. For the outdoor lover, there is fishing, sailing, hunting, hiking, and mountain climbing. Numerous country clubs in both large and small communities provide excellent golfing and other recreational facilities, and the climate of the state is such that outdoor recreation of the types described may be enjoyed during every month of the year.



VISITORS COME FROM AFAR TO ENJOY THE VIEW OF RICH LANDS AND VALLEYS FROM MONTE SANO.



IF YOU ARE INTERESTED

IN PLEASANT & PROFITABLE OPERATIONS

YOU WANT FACTS ABOUT ALABAMA'S

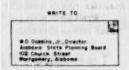


LABOR SUPPLY
MATERIALS
MARKETS
POWER AND FUEL
TRANSPORTATION
INDUSTRIAL SITES
WATER
TAXES
CLIMATE
LIVING CONDITIONS
ATTITUDE ON INDUSTRY

LOCATIONAL ADVANTAGES
FOR YOUR MANUFACTURING OPERATION







NEW PRODUCTS

Volume Gun

Rainbow Mfg. & Sales Co., Chattanooga, Tenn.,—Volume Gun specifically designed for irrigation is said to cover up to 3½ acres; provides more water over larger areas at less cost; snap-on tripod mounting for one man portability, uses weight of water in pipe for extreme stability, dismantles completely for easy handling.

The gun is made of virgin aluminum of high strength, rustproof, corrosive resistant alloys for long life. According to the company, two men can move, and lay 1,006 feet of 6 inch pipe in less than one hour; Volume Gun irrigation is engineered and sold as complete packaged units ready to use.

Drilling Machine

Sibley Machine & Foundry Corp.. South Bend, ind.—Medium weight drilling machine with a 25 inch swing, known as the model E-25, has been developed to fill the gap be-tween the larger heavier type and the light

tween the larger heavier type and the light bench class.

The model E-25 incorporates design fea-tures for a machine of this size, which in-clude: its big swing of 25 inches, a variable speed drive from which the exact spindle speed may be obtained for any size drill from ½ inch to 1 inch and an extra large rectangular 18 inches by 26 inches table with coolant trough; there are no belts to change; and a tachometer on front of machine pro-

vides accurate reading of speeds according to the manufacturer.

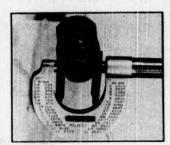
Height Gage Scope

Quality Control Co., 6356 Hollywood Boule-vard, Los Angeles 28, Calif.—Measuring de-vice named the Height Gage Scope is said to combine the features of a telescope with a microscope and attaches to any 18 inch or 28 inch Height Gage making a universal shop inspection instrument. It has five power magnification, coated lens, internal focusing, a wide field, and provides an erect image throughout a working distance of 2½ inches to infinity.

Screw-Thread Measuring

W. T. Simmons, Box 364, Amarilio, Texas—System of screw-thread measuring used with standard micrometers, the only tool now needed to measure all sizes and pitches of 60-degree threads consists of one connected pair of hardened and precision ground triangular stee bars with points truncated to clear the thread roots.

According to the maker the most outstanding feature of the system is the elimi-



Screw Thread Device

nation of all formulas for computing the proper dimensions to "mike" over the screw and triangles. Because of a simple chart of constants only one number need be added to the nominal O.D. of the thread to get the proper dimension.

Friction Clutch

1. & J Press Corp. Elkhart. Ind.—Friction clutch available on L. & J punch presses offering the following advantages over pin, jaw and sleeve types of clutches which have positive contact faces: Higher operating speeds, adjustable to prevent overloading, high rate of engagements per minute without heating and less starting shock, according to the maker.

Its operation is based upon the use of a cone clutch that grips on a self-energizing principle after being first engaged by compression springs. The harder the pull the tighter it grips

Asbestos Wrap

Reflectal Corp., Alfol Division, 135 E. 44th St., New York, N. Y.—Insulating material for sheet metal ducts and steam pipes, made of sheet or corrugated asbestos firmly bonded to a sheet of pure aluminum foil said to reflect 95 per cent of all radiant heat. The manufacturer points out that, due to light weight and easy handling characteristics. Alfol asbestos insulation will cost less than 6 cents per square foot on normal applications.

Projection Welders

Banner Mfg. Co., Milwaukee, Wis.—Line of press type, air operated projection and spot welders built in sizes ranging from 50 to 150 KVA. The roller head is air operated

(Continued on page 114)



PLANT the Future in THE SOUT

Manufacturers in many lines of industry will find important advantages in a Southern location.

The South's year-round mild climate offers savings in plant investment and production costs.

In many excellent small towns where there are no large industries, there is an ample supply of intelligent, industrious, easily adaptable, native-born workers. These people are friendly, loyal and cooperative.

You will find many raw materials, abundant soft water, excellent transportation facilities, dependable electric power at rates among the nation's lowest.

The industrial engineers of our operating companies have valuable data on the most advantageous industrial locations in the South.

For further information write Industrial Development Department of any of these companies:

ALABAMA POWER COMPANY Birmingham, Ala.

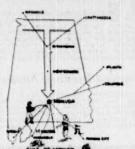
GEORGIA POWER COMPANY Atlente, Go.

GULF POWER COMPANY Pensacola, Fia.

MISSISSIPPI POWER COMPANY Gulfport, Miss.

THE SOUTHERN COMPANY ATLANTA, GEORGIA

The Marketing and Distribution Center for South Alabama



ANDALUSIA

Population—10,000. Altitude 278 feet. County Seat of Prosperous Covington County. 85 miles South of Montgomery, 125 miles Northeast of Mobile and its world port. Trading Center for 55,000 prosperous people.

Wide Variety of Resources

FEDERAL AND STATE APPROVED CLASS "D" AIRPORT AGRICULTURE—First in number of hogs, slaughtered in Alabama. Second in hogs and cattle slaughtered. Ten month growing season. Year around pastures for beef and dairy cattle. Cotton, corn, peanuts, pecans, and truck farming.

MINERALS—Abundance of clays for manufacturing brick and tile or other ceramic products.

FOREST PRODUCTS—Large areas in forest, both hard- and soft-woods. Large production of naval stores, several lumber mills. Exceptional opportunities and locations for wood working plants.

MANUFACTURING Modern textile plants, peanut shelling plants, oil mills, modern cotton gins, period furniture factories, meat packing plants, brick plant, and other related industries.

WE WELCOME NEW INDUSTRIES!

Existing industries employ mostly women workers. There is a large reservoir of male labor available, in skilled, semi-skilled and unskilled classifications. The population being made up of nearly 100% native born Americans, this community is free of labor trouble. Over 80% white

population. Population mobility less than 2%. Excellent Utilities, exceptionally low tax rate, a friendly a attitude toward new manufacturing organizations, and easy access to domestic markets via rail or highway, as well as world trade through the Alabama State Docks at Mobile.

CHOICE INDUSTRIAL SITES REASONABLY PRICED.

WRITE FOR INFORMATION REGARDING YOUR SPECIFIC REQUIREMENTS
Andalusia Chamber of Commerce

Andalusia, Alabama



Nationally Recognized

Marketed in more than 30 States Canada

Cube and Maxico for consistent uniformity in chemical and physical analyses

ABC
COKE, COAL
and COAL CHEMICALS

Produced by
ALABAMA BY-PRODUCTS CORPORATION
Birminghom, Alebame

Construction

SIGN OF PROGRESS

Alabama's modern industrial plants, its sturdy commercial buildings, its attractive schools, churches and homes are constant reminders of the progress the State has made.

Many such buildings stand today as evidence of the part we as general contractors have had in Alabama's growth during our thirty-four years in business.

We will continue to offer the best in building construction and appreciate every opportunity to serve.

Batson-Cook Company **GENERAL CONTRACTORS** WEST POINT, GEORGIA



NEW PRODUTCS

(Continued from page 112)

and specially designed to assure fast, accurate performance. According to the manufacturer the quill is guided by 8 rollers, mounted on the gib, which assures rigidity and positive alignment regurdless of stroke length; the mounting of the rollers reduces friction losses and any possibility of deflection, thereby assuring fast, accurate welding.

Electrical Resistivity Apparatus

Geophysical Instrument Co., Inc., Arlington, Va.—Improved model LLR electrical resistivity apparatus, a modification of the Gish-Rooney apparatus, is intended for use by contractors, engineers and students who require data on subsurface conditions at comparing the contractors of the contractors of



LLR Earth Resistivity Apparatus

paratively shallow depths, 300 feet or less. The apparatus measures earth resistivities by the Wenner four-electrode method. Currents are rend on a milliammeter having ranges of 0-5, 0-50 and 0-500 milliampress. Potentials are read by a null system, so that no current is drawn from the potential electrodes.

Floor Magnet

Multifinish Mfg. Co., Dep't 432, 2114 Monroe Ave., Detroit 7, Mich.—Series D. Rotary
Magnetools featuring low-clearance handles
are used on floors, driveways, in tanks and
many other areas where steel chips, nalis,
screws, etc., are a safety or scrap problem,
or where rapid removal of steel parts is re
pick up steel chips from under places not
previously possible, without stooping. There
are no wires, so area of operation is unlimited.

The Magnetool is propelled carpet sweepor fashion, a powerful magnetic tube rotating with the wheels. The company claims
steel parts jump to the tube, load automatically over the entire 360 degrees of magnetic
surface.

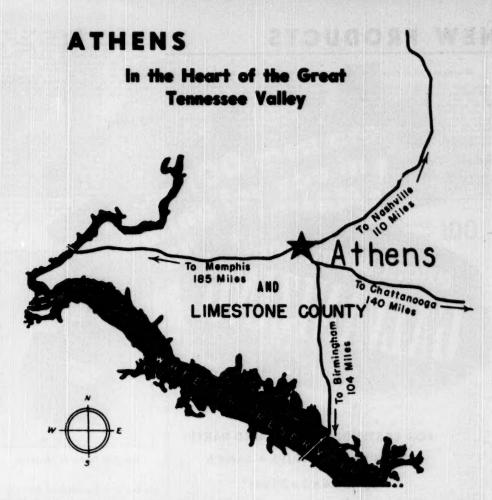
Alarm Signal System

Panalarm Products, Inc., 7216 N. Clark St., Chicago 26, Ili.—Panalarm Series 400 units having hermetically-sealed relays on a sealed plug-in octal socket for alarm signaling systems in hazardous locations and corrosive atmospheres. In normal operations, red and white Panalarm lights are dim to indicate working order. In of normal condition both signal lights go on bright, sounding warning horn. This tops spends by acknowledging button. This tops of the product of the

Press Assembly

The Acromark Co., 349 Morrell St., Elizabeth 4, N. J.,—Press assembly for use in the company's standard series "A" power presses, designed for hot stamping through

(Continued on page 116)



THENS, first City in Alabama to hook up with the T.V.A., is rich in history. First inhabited in 1807, and made the county seat of Limestone County in 1819, it has never neglected its cultural development to make quick commercial progress. Its population today is 6,000.

In the very heart of the great Tennessee Valley, and in the direct center of Limestone County, Athens is ideally situated for industry.

Midway between Nashville and Birmingham, to the North and South, and Chattanooga and Memphis to the East and West, Athens has access to nearly a third of the population of the United States within 500 miles.

TRANSPORTATION—Main line of the L. and N. Railway between Louisville and the gulf; 13 miles from the Southern Railway. Intersection of U. S. Highways 31 and 72 served by six truck lines. Thirteen miles from Tennessee River, with barge service to river ports and the gulf. Class I commercial artifield two miles from the city.

LABOR SUPPLY—An abundance of skilled, semi-skilled and unskilled workers are available and the community has been free from labor disturbances. Estimate of labor supply: men, 1,100; women, 550.

POWER AND WATER—A one and three-quarter million dollar electric system will soon have 1,000 miles of service. Rates well below the average for industrial power. Adequate water supply is also available from municipal system.

AGRICULTURE—There are about 4,400 farms in Limestone county, with 220,000 of the county's 348,800 acres in cultiva-

tion. Forest acreage is 89,181. Widely diversified crops, with increasing dairy and beef cattle industry. Two local stock-yards.

RECREATION AND EDUCATION—Wheeler reservoir, a giant lake formed by Wheeler Dam, Elk River, Hatfield's Lake, all close by, offer you the finest fishing, swimming, booting, hunting. Municipal swimming pool and tennis courts and a golf course offer year-'round opportunity for recreation. Outstanding educational facilities, library and churches of all denominations.

NEW INDUSTRIES

With no large industrial plants in the immediate area, Athens offers exceptional advantages to those seeking a new location or a branch plant. The attitude of city and county officials, as well as the citizens generally, is most friendly to new industry. A sane tax structure is maintained. Fine sites on the L, and N, Railway or main highways are available at low cost.

Your inquiry will be treated confidentially and special data will be prepared to meet any requirement. Write to the Mayor or City Clerk for surveys on Metal Products, Food Processing or other operations.

The CITY OF ATHENS, ELECTRIC DEPARTMENTS Athens, Alabama

Elmer L. Vissee, Mayer

M. S. Hossomer, City Clerk

NEW PRODUCTS

(Continued from page 114)

a color tape or foil into piain or enameled wood handles as moided piastic handles. In the bed of the press a standard dial feed is mounted with ten or more stations. At each station on the dial is mounted a floating type of specially developed holding fixture to carry the handles to be marked. After each marking, the part is ejected automatically by a finger that lifts each part from its holding fixture.

Hydraulic Cylinders

Ledeen Mfg. Co., Los Angeles, Calif.—Line of air and hydraulic cylinders, known as the

medium duty series, an addition to the line of heavy duty and super duty cylinders now being manufactured, which have found use in all industries wherever straight line mo-tion is used; for remote control operation, material handling, clamping or holding, and a multitude of other uses.

These cylinders feature manufacture to completely standardized design, and to be carried in stock for immediate shipment. Various head and rod attachments provide for almost universal mounting requirements.

Engine Lathes

R. K. LeBiond Machine Tool Co., Cincin-nati, Ohlo--1950 series heavy duty engine

lathes offering more speeds and high speeds. The new line includes 12, 14, and inch swing sizes with 24 spindle speeds. 7 is a 20 inch size with 32 spindle speeds. 7 is these are arranged for higher power motors than previous models. An enclos quick change box, automatically lublicat has been included in the new design lath Sixty feed and thread changes are obtain through hardened alloy steel gears; sha are supported on anti-friction bearings.

Air Meter

Hastings Instrument Co., Hampton, Ya.—Model G air-meter said to provide instantaneous, direct, accurate readings of air velocities from 5 to 6,000 feet per minute with an expanded scale in the low velocity ranges, and is now available with built in temperature of the control of the control

The company states the temperature com-pensated air-meter will prove most useful in the air conditioning industry, in process control, and in research installations in which it is desired to obtain readings quick-ly.



Hastings Model G Air-Meter

Locknuts and Lockwashers

Link-Belt Co., 307 N. Michigan Ave., Chicago I, III.—Line of bearing-positioning locknuts and lockwashers, specially designed for effectively locking the various makes of ball and roller bearings in correct position on shafts of 5/6 to 7 II./16 inches diameter. Advantages claimed are: precision manufacture to A.B.E.C. and S.A.E. standards; attractive appearance; easy to install and remove; rust-resistant; vibration proof; smooth, burr-free.

Vacuum Pan Drier

Industrial Process Engineers, 8 Lister Ave., Newark, N. J.—Vacuum pan drier for the recovery of dry solids by the evaporation of solutions or slurries. The typical unit has a working capacity of 35 gailons, and is designed for a lacket working pressure of 50 psi. All parts of the unit in contact with the contents of the vessel are of stainless steel type 316. The agitator, which has no internal bearing, consists of an anchor with spring loaded scrapers driven at 40 RPM by a 2 HP right angle gearmotor.

Electric Controller

McDonnell & Miller, Inc., Wrigley Bidg., Chicago 11, Ill.—Explosion-proof float-oper-ated electric controller for water tanks, receivers and other liquid storage systems, designed for use under conditions where a conventional type controller is not applicable.

(Continued on page 118)



FOR CASTINGS . FABRICATED PARTS PIPE . BARS . STRIPS . TANKS

Up to 24×3×3 Feet*

Your parts or products can have the same highquality, hot-dip galvanizing used on our own Dixisteel products. Small, tight spangles . . . smooth, uniformly-heavy coats of zinc . . . no fins. A tough, rust-proof finish that withstands severe bends without cracking or flaking.

Write for quotations on this superior service. Give full details of materials, including dimensions.

* Single-dip size-Larger sizes by double-dipping



If it's exposed to corrosion . . . Galvanize it!

Atlantic Steel Company

DIXISTEEL ATLANTA, GEORGIA



Birmingham has no shortage of opportunity for new industry. Neither does it lack collective action and aggressiveness as this "Committee of 100" demonstrates. You're welcome in Birmingham! If you want facts about our city, you'll get them by return mail by writing to any man on this list. Or, you may write to Clarence Lloyd, Director,

Greater Birmingham Development Committee.



Want the detailed facts? Send for our booklet.

GREATER BIRMINGHAM DEVELOPMENT COMMITTEE BIRMINGHAM CHAMBER of COMMERCE Birmingham, Alabama

Committee of

CENTER

DON'T LET **ROT AND TERMITES** UNDERMINE YOUR PLANT INVESTMENT



Don't take chances with rot and termites. It always pays to make sure WOLMANIZED Pressure-Treated Lumber is used in struc-

tures where water, moisture, steam, quick condensation and termites ordinarily shorten lumber life.

WOLMANIZED Pressure-Treated Lumber provides SURE, LAST-ING PROTECTION. Preservatives are driven deeply into the wood fibres of WOLMANIZED Lumber under high pressurenot just brushed on.

Stop Costly Damage to Wood Structures at These Common Danger Points

Here are some of the common conditions that call for the use of WOLMANIZED Pressure-Treated Lumber:

- 1. Where excessive ground moisture, rain or thaws cause early decay failures.
- 2. Where wood is subject to termite attacks.
- 3. Where wood touches concrete or masonry.
- 4. Where steam and vapor from industrial processes promote wood
- 5. Where walls, floors, ceilings are subject to condensation from
- 6. Where wood is exposed to moisture in humidified buildings.

FREE BOOKLET TELLS THE STORY

Get all the facts. See why WOLMANIZED Pressure-Treated Lumber provides sure, lasting protection against wood decay and termites Write for "THE WOLMANIZED Story" today.



AMERICAN LUMBER & TREATING COMPANY



General Offices: 1620 McCormick Bldg., Chicago 4, Illinois Branch Offices: Baltimore, Boston, Jacksonville, Fla., Los Angeles, New York, Philadelphia, Portland, Ore., San Francisco, Washington, D. C.

For SURE protection build with



NEW PRODUCTS

(Continued from page 116)

The controller can be used to make or to break electrical circuits at either high or low levels, for example, controlling motors, sig-nal lamps, electrical elements, etc.

Roof Exhauster

Chicago Blower Corp.. 4558 W. Congress St. Chicago 24. Ill.—Axial-Flo roof exhauster engineered for all types of industrial and commercial ventilation. The complete unit is low, streamlined and modern in appearance, harmonizing perfectly with present day architecture, according to the manufacturer. The exhauster is completely supported on rubber, reducing vibration and noise to an absolute minimum. Exhausters are shipped frame, housing and asfety switch for easy installation. Full details are available upon request.

Hardening Compound

The Minacaloy Corp., 50 Broadway. New York 4, N. Y.—Low-cost, quick acting steel hardening compound called Hard-N-Deep, a powdered chromium carbon material containing at exclusive Catalyst XL-7, which speeds up the hardening process and allows the compound to work at relatively low temperatures according to the maker.

The manufacturer states that an important advantage of Hard-N-Deep is its speed, simplicity and its ability to be used with standard shop ejulpment. The part to be hardened is merely heated to a cherry red, dipped in the compound, brought back to temperature and quenched.

Die Testing Machine

Lester Engineering Co., 2711 Church Ave. Cleveland 13. Ohio—Die Testing machine said to open and close dies with such accuracy that the parting line can be matched perfectly before the die leaves the tool room.

The company claims this machine means the end of expensive and dangerous efforts by a team of die makers in matching parting lines. "bluing in" a die and checking sides and most become and control of the tool cylinders are inceated inside of two of the vertical columns; the bottom plate is the movable one, yet there is no need for a pit to accommodate an oil cylinder.

Core Drill

Acker Drill Co., Inc., Scranton 3, Pa.— Toredo" core drill designed to fill the need for a light, compact, portable core drill of medium capacity for depths to 600 feet con-sists of a simple combination of a three speed, totally enclosed transmission with either a hydraulic feed or a screw feed drill

head.

According to the company, power can be supplied by whatever type of power plant best meets the customer's operating and mounting requirements. A three speed transmission gives the right speed of bit rotation for any rock condition. A full 24 inch drill travel, in place of the usuai 12, 14 and 16 inch advance, is said to give more footage per shift.

Woodworking Machine

Yates-American Machine Co. Beloit, Wis.—Line of woodworking machines intended for use in novelty and light production plants, schools, millwork plants, department store maintenance shops, and industrial shipping and crating departments. They are also very well suited to the needs of cabinet, pattern and maintenance shops.

The manufacturer stresses the fact that many new features not previously found in machines of this size and type have been incorporated in the new designs. Simplicity and safety of operation are built in.

(Continued on page 120)

CHILDERSBURG

Home of \$55 million in NEW Industry

- Alabama Ordnance Works
- Beaunit Rayon Mills
- Coosa River Newsprint Company
- Danville Knitting Mills
- Tennessee Copper Company
 (Sulphuric Acid Plant)

Population 1941 512 1949 6,000 Some cities TALK of war plant conversion.

Childersburg has accomplished it!

The fastest growing industrial city in the entire SOUTH.

We have room for MORE industry. Write!

E. A. Rainwater Mayor C. H. Dexter, President, Chamber of Commerce

CITY of CHILDERSBURG Childersburg, Alabama

NEW PRODUCTS

(Continued from page 118)

Hydroblender

Aquadyne Corp., 220 E. 42nd St., New York 17, N. Y.—Automatic, self-draining Hydroblender for the introduction of chemicals that will "wet" water at the point of use. It is made of brass castings fittings and a tube of lucite, and weighing approximately 35 pounds. It can be mounted on wall, machine or column by four lag bolts or screws. The chemicals are placed in the lucite tube in the form of water soluble capsules. There they dissolve in proper proportion to the water passing through a built-in venturi nozzle. When used with the Aquadyne capatic which weight 3 pounds the resulting aointion has a surface tension of 30 dynes.

Steam Cleaner

Homestead Vaive Mfg. Co., Hypressure-Jenny Division, Coraopolis, Pa.—Super-Duty Hypressure Jenny Steam Cleaner designed and built to do the biggest cleaning jobs, and also for heat-transfer uses, is said to clean grease, grime and dirt from machinery and equipment 48 to 60 times faster than by hand methods; and even six times faster than any extra heavy duty steam cleaner. According to the company the cleaner in less than two minutes can be changed over for use as a heat generator, with heat output equivalent to a 25 horsepower boiler. Change is completed by simply loosening two boilts and reversing crank arm.

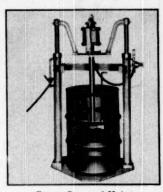
Base-Ventilated Motor

General Electric. Schenectady 5. N. Y.—
Base-Ventilated motor, designed specifically
for external applications such as driving
power station auxidiaries mounted out of
doors. Available in ratings ranging from 200
to 3,000 hp, the engineers point out that this
is not a standard motor compromised in an
attempt to do a non-standard job, but is an
entirely new design, in the property of the control of the control
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Power Hoist

Alemite Division of Stewart-Warner Corp., 1826 Diversey Pkwy., Chicago 14, fil.— Power-operated hoist and follower plate unit adapted for use with a materials pump, to handle materials that will not seek their own

The company states the unit exerts more than 6,700 pounds pressure p.s.i. on material



Power Operated Hoist

in the container, assuring positive prime and elimination of air pockets; the tubeless syn-thetic tire wiper cleans the side of the barrel or drum, saves material, and by its priming action, prevents skinning and eliminates contamination.

Load Binder and Puller-Jack

Noian Co. Bowerston, Ohio—Load Binder and Puller-Jack, an instrument of wide general appeal in heavy industries, said to accomplish difficult moving jobs and load binding quickly and safely, by one man. According to the maker the unit can be quickly set up and used in any position, upright, sideways, or upside down, with lever pull away from load or toward it; the mechanism will not clog with dirt, gives positive action, and always holds.

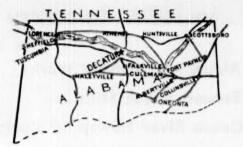
A feature claimed by the manufacturer is that it is the only puller that pulls for the entire chain length at one hold. Two models are available, with capacities up to 3 tons. Complete information and prices can be secured from the manufacturer.

Strip Chart Recorder

Wheeleo Instruments Co., Chicago 7, Ill.
—Air-operated strip chart recorder known as the "Pneumatic Capacilog," is completely self-contained and has only two external sir connections. With this new unit temperature, speed, flow pressure, static grain loads, AC and DC volts, amperes, etc., can be measured easily with the flexibility, accuracy and simplicity of the Wheeleo Capacilog electrical system, according to the company.

pany.

The control function is performed by the smooth floating power of air, via the "Wheeled Electronic Link," operating diaphragmotors connected to valves, dampers, levers, pistons, etc.



WITH a staff of six agricultural agents constantly in the field to assist the farmers throughout Northern Alabama in increasing yields, conserving soil and applying more modern methods in planting and harvesting, STATE NATIONAL BANK has been an important factor in the development of the communities served by its head office and the thirteen branches. . . . These men, all Auburn College graduates, are charged with the responsibility of improving agricultural conditions in North Alabama:

M. E. WILSON Blount County GEORGE H. LEHNERT Cullman County

CARLYLE E. COOK

DeKalh County

W. H. BUCHANAN Lauderdale County C. T. BAILEY Limestone County

W. J. ALVERSON Marshall County

ALABAMA

ONE

OF

GOOD

BANKS

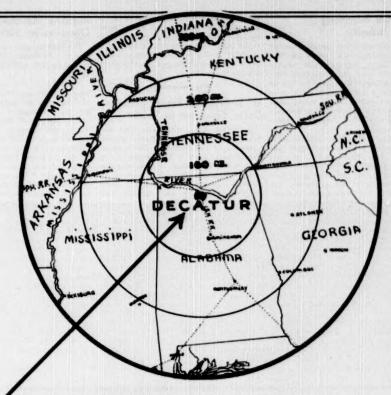
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CONSIDER DECATUR, ALABAMA

In Your Plan for Decentralization of Production and Distribution

CENTRALLY LOCATED for rapid, economical distribution throughout the Southeastern States, and into other sections of the country.

TRANSPORTATION includes: L&N Railroad north-south; Southern Railway east-west; hard-surfaced main highways in all directions; 9-foot Tennessee river channel to Ohio river affording low-cost waterway outlets to Midwest, Gulf and World ports. River terminal in operation. SITES for factories and warehouses available, convenient to transportation terminals.

LABOR in ample supply; native, intelligent, cooperative men and women.

HUGE WATER SUPPLY for industrial

uses, from Tennessee river harnessed by dams from source to mouth.

AGRICULTURAL products available for processing from nearby farms.

GOVERNMENTS of State, County and City friendly to business and industry.

CLIMATE ideal for efficient work with minimum loss of time. Excellent living conditions.

ELECTRIC POWER in abundance (TVA hydro-electric) at the lowest rate east of the Rockies.

For further information, contact

MUNICIPAL UTILITIES BOARD

DECATUR, ALABAMA

Paper Mills Becoming Leading Industry

Paper and pulp is fast becoming one of the leading industries of the South. The Southern paper industry will employ about 119,000 men and women in 1850, and pay out more than \$200 million in wages. Over a billion dollars has been invested in paper mills, providing good jobs for people of the South, to produce almost half of all U. S. paper and paperboard production.

While many of the older northern mills are adapted for book paper, tissues and specialties, the Southern plants are geared for volume. Their newer-type mills, utilizing latest refinements in paper making machinery and processes, get more production at lower operating costs.

The Southern development has been prompted by a spurt in demand for wrapping and bag papers and paper shipping containers, and by developments in the kraft process to increase volume.

Another development of substantial importance to the industrial and agricultural future of the South is the first rayon pulp mill in the world designed to employ an entirely new process for producing dissolving woodpulp used in the manufacture of rayon and other synthetic products.

The International Paper Co. expects to complete construction of this mill early in 1950. The mill will have a capacity of 300 tons a day, or a yearly capacity of

about 100,000 tons, and will increase by approximately 16 per cent the present estimated North American output of rayon pulp. Operation will be under the direction of the Southern Kraft division of the company which now operates eight mills in the South.

U. S. Gypsum Begins Million Dollar Expansion in Texas

A million dollar expansion plan has been started by the United States Gypsum Company at its Sweetwater, Texas plant. The present plant is the largest of its kind in the Southwest. It produces annually about 12 million dollars worth of gypsum wallboard, gypsum lath, gypsum sheathing, Textone and interior and exterior paints.

The 1950 building program includes a major addition to the plant, installation of new equipment and improved production methods. The three-point program will enable the plant to step up production. Completion is expected in the fall of 1950. The construction work is being done by the company's engineers serving as contractors on the project. The work requires highly skilled installations.

The Sweetwater plant supplies building material dealers in Texas and parts of New Mexico, Colorado, Oklahoma, Arkansas and Louisiana. The sales offices for the territory are located in Dallas. The district sales manager is Cole Foster.

Republic National Bank Observes Its 30th Year

The 50th largest bank in the country, Republic National Bank of Dallas—observed its 30th Anniversary on February 14, 1950.

Adhering to the basic policies upon which it was established—to provide a friendly and personal banking service that would be helpful to individuals, businesses, banks and others—the growth of the Republic Bank in just three decades has few parallels in American Banking.

The Republic was organized originally as the Guaranty Bank and Trust Company, and was known as the Day and Night Bank. When opened for business the bank had only 26 employees and banking hours were from 9:00 a.m. to 8:00 p.m. each day except Saturday, when it remained open until 10:00 p.m. The original Capital of \$100,000 was small when compared to the \$10,000,000 capital structure of the bank today.

The Republic was founded by men with vision and confidence in the future development of the great Dallas-Southwest. Acceptance of the progressive banking services provided by the Bank can be gauged by the tremendous growth it has experienced. This is reflected by deposits on the opening day of \$804,524.45, representing 659 accounts, compared to deposits of \$339,870,845.60 as of December 31, 1949, being the business of customers numbered in the thousands.

If We Lose Our Soil We Lose All...

THE FIRST NATIONAL BANK OF DOTHAN

DOTHAN, ALABAMA

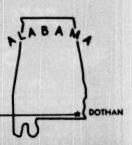
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Dallas Adds More Industry To Its Growing Empire

Dallas continues to add major projects to its rapidly growing industrial empire with the announcement of new enterprises each week. R. W. Lang, vice-president of American Radiator & Standard Sanitary Corporation of Pittsburgh, Pa., has announced plans for a new \$500,000 plant for his company in Dallas. The 1story, glass, masonry and steel building will provide office, warehouse and displayroom for the company's wholesale jobbing division. Plans are to complete the building in August 1950.

International Harvester Company also announced plans for a new \$1,500,000 plant in Dallas to be located with the American Radiator and Standard Sanitary Building in the fast developing Trinity Industrial District, Contracts were let in February 1950 for the new International Building and construction is due for completion in 1950. The building will have 200,000 square feet of floor space and will store and ship service parts to Texas, Oklahoma, New Mexico and Louisiana. The building site is a 91/4 acre lot and also has duel railway facilities.

J. W. Bateson Construction Company of Dallas has a contract to remodel the Dallas Cotton Mills Building at 2000 South Lamar in Dallas for the Burton-Dixie Corporation of Chicago. John G. Sevcik president of the Burton-Dixie Corporation announced that his company had bought the Dallas building to use for a plant for the manufacture of modern bedding. It will mark the entry of the big company in the Southwest market.

A large warehouse and office building has been announced for erection in Dallas to house the fabrics and finishes department of the company's regional offices. The new building will have 36,000 square feet of floor space according to an announcement by George F. Baldwin, regional sales manager.

The building is expected to be completed by May 1. It will be three times the size of the company's present location in Dallas. The new plant will enable Du Pont to make an expansion in the area now served from Dallas. The site for the new building is on Lofland Avenue and Redfield. It will be served by the Katy Railway.

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FOR FORTY YEARS

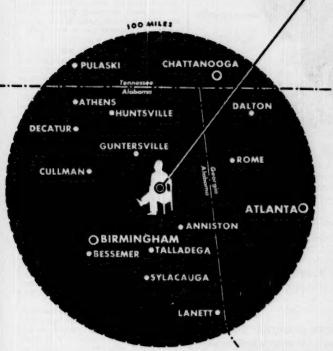
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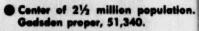
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For further information write:

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CITY OF GADSDEN GADSDEN, ALABAMA

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It's good business to work refreshed



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OF ALABAMA

WHO'S WHERE

Texas Gas Transmission Corp., of New York recently announced the promotion of James E. Allison to the position of assistant superintendent of pipelines for Divisions 1 and 2 of the company's pipeline system. At the same time Frank E. Baker was named supervisor of Advalorem Taxes for the company.

John S. Roller has been appointed general manager of sales for the Republic Supply Company at Houston. He was formerly assistant sales manager of the Birmingham district for Republic Steel Corporation.

W. B. Every has been appointed district representative for the sale of replacement tubes and receiver parts for General Electric, Syracuse, N. Y., with headquarters in Atlanta, Ga. He will cover the Columbia, Nashville, Chattanooga, Knoxville, Memphis, Charlotte and Raleigh markets.

Charles L. Morris, Jr., has been appointed assistant director of the technical and plant personnel division at the Stamford Research Laboratories of the American Cyanamid Co., of New York.

William Faversham, Jr., has been promoted to the post of Administrative Assistant to J. Gordon Baquie, Vice President of the Brown-Forman Distillers Corp., of Louisville, Kentucky, in charge of the company's sales Region II. Mr. Faversham will make his headquarters at Louisville.

J. Ralph Macon has recently joined Pennsylvania Salt Mfg. Co. of Phila., Pa., as an engineer in the market research division, it was announced by George T. Collins, manager of the division.

Mr. Macon, formerly associated with DuPont's Electro-chemicals department, will work on market development of new Pennsalt products for the metallurgical industry. A native of Thomasville, Ga., he was graduated from Emory University in Atlanta in 1941. He is a member of the American Society for Metals.

Important changes in the Dallas sales organizations of the Willard Storage Battery Company of Cleveland, Ohio were recently announced by G. A. Borchik, manager of replacement sales.

W. L. Bowron, formerly sales manager in the Dallas district, has been appointed California district sales manager. He replaces W. L. Tyler, a veteran of 27 years with Willard, who has been granted an indefinite leave of absence because of ill health. Succeeding Mr. Bowron as Dallas district sales manager is N. G. Wolf, formerly manager of Willard's Dallas plant. During his 35 years with Willard, Mr. Wolf has served as sales engineer, service supervisor, branch manager and district sales manager.



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GUNTERSVILLE

Playground of the South

Nearly half a million people live in the Guntersville trading territory. The city's population of 6,600 and county's population of 42,000 is 97% white, and practically 100% native born Americans, offers not only a great reservoir of loyal workers of varied skills, but a vast market for your products.

Here is the paradise for the man who loves the outdoors. Lake Guntersville is the most beautiful of the Tennessee Valley lakes. With a heavily-wooded shoreline, and a water level that never varies more than three feet, it has 25,000 acres of sailing water within sight of the city. Yacht harbor with annual motor boat races, rivers, creeks, camp grounds, offer every recreational advantage. With an altitude of from 600 to 900 feet, the winter is mild and summer evenings are cool.

LOGICAL DISTRIBUTION POINT

On the N. C. and St. L. Railway, connecting with the L. and N. and the Southern, a 9 foot channel to the Mississippi River and world ports, and U. S. Highway 241. Eighty miles to Birmingham and 160 miles to Atlanta. Port of Guntersville public use terminal, equipped with modern material handling facilities.

AGRICULTURE

Five thousand individual Marshall County farms intensively cultivated produce over 10,000,000 dollars annually in cotton and cotton seed, 3,388,000 in corn, 245,000 dollars in dairy products, 200,000 dollars in hogs and 250,000 in poultry. Sorghum, tomatoes and sweet potatoes are other crops.

MANUFACTURING

Textiles, lumber, food products, cotton ginning, mining and other industrial activity is diversified in production and employment, but there has barely been a start toward industrialization.

Opportunities are greater here for successful operations than in almost any section of the United States. An abundance of coal and forest products available locally.

POWER and WATER

Municipally owned TVA electric system offers you the lowest rates. Inexhaustible supply of water, furnished by municipal system.

MODERN FACILITIES

Culturally, there is nothing lacking in Guntersville, with its fine grammar and high schools, churches and municipal improvements.

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GUNTERSVILLE CHAMBER OF COMMERCE

Guntersville, Alabama

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LINCOLN MILLS OF ALABAMA

One of America's Largest Manufacturers of
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INDUSTRIAL CENTERS IN SOUTH

Recreation

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INQUIRIES ARE INVITED FROM CONCERNS PLANNING EXPANSION. DESIRED INFORMATION WILL BE SUPPLIED BY T. D. JOHNSTON, DIRECTOR, NORTH ALABAMA ASSOCIATES, HUNTSVILLE, ALABAMA. OR YOU CAN PHONE OR WRITE

City of Huntsville ELECTRIC SYSTEM

TELEPHONE 134

HUNTSVILLE, ALA.

BUSINESS NOTES

As part of an expansion program to increase the compuny's line of metal finishing chemicals, Allied Research Products, Inc., Baltimore, Md., has purchased the R. A. Hoffman Chemical Company, Cleveland, Ohio.

In announcing this acquisition, H. C. Irvin, president of Allied Research said that R. A. Hoffman, formerly owner of the Hoffman Company, has joined Allied Research and will be in charge of the development of new types of organic finishes.

United States Plywood Corp., New York, N. Y., recently opened the thirtieth warehouse in its merchandising chain at Knoxville to better serve lumber desiers and other plywood users in the metropolitan Knoxville area and eastern Tennessee.

The structure, located at 2734 Middlebrook Pike, N. W., includes both warehouse and sales office space. The building is equipped to serve trucks from its loading ramps and railway freight cars from its spur served by the Louisville and Knoxville R. R. The Knoxville warehouse will be managed by Carl W. Justice and will operate as a part of the company's Middle Atlantic Division.

Mercer Rubber Company of Houston, Texas has been appointed manufacturer's

representative for Texas, Oklahoma, Arkansas and Louisiana by Hose Accessories Co., Philadelphia, manufacturers of LE-HI high and low pressure hose couplings.

Mercer Rubber Company is well known in Southwest industrial supply circles. The firm is headed by Mr. W. H. Sayen III and the Houston office is managed by Mr. H. A. Vitriol.

The Euclid, Ohio, plant and equipment of the Joy Mg. Company, Pittsburgh, Pa., has been purchased by the Lewis Welding & Engineering Corp., of Bedford, Ohio, J. T. Lewis, Jr., president of the Bedford concern, disclosed.

Mr. Lewis said the new plant would be organized as a separate manufacturing entity and will do machine work and machine assembly work as the Breckenridge Machine Division of Lewis Welding & Engineering Corp. Lewis Welding will continue to handle Joy Manufacturing work at the Breckenridge plant on a contract basis until the Joy concern is prepared to absorb such work in other of its six factories.

General Electric Company's electronics department of New York has established an office in the Electric Bldg., Houston, Texas, as part of its southwestern district operation.

The new office will come under the dis-

trict headquarters at Dallas and will cover the sales operations of C. G. Allen on radio and television receivers, Louis Peine on radio communications equipment and D. F. Booth on replacement tubes and parts.

J. F. Black has joined the Youngstown Sheet and Tube Company, Youngstown, Ohio, as assistant general superintendent of the steel plant at Indiana Harbor Works.

Mr. Black is a native of Enid, Oklahoma, attended public schools there, then went to the United States Naval Academy. He later took courses in building materials and construction, hydraulics, hydrostatics and pulverized coal burning at Johns Hopkins University and from a correspondence school.

In 1925 he entered the steel business as a shipyard pipefitter with Bethlehem Steel Company. He held several line and supervisory positions which gave him a broad knowledge of steel mill practice.

The purchase of the Hersey Dryer Division of Hersey Manufacturing Company, Boston, Mass., by the Standard Steel Corporation of Los Angeles, Calif., makes the latter company one of the largest manufacturers of custom-built drying equipment designed for the food, chemical, ceramic and allied industries.

RETAIL SALES



Here in Montgomery

have more than trebled in ten years past to make the city one of the biggest markets in the South.

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Alabama State Capitol Buildings



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MONTGOMERY, - ALABAMA -

A progressive city of 115,000 population.

Accessible to the growing Southeastern markets.

Home of the nationally famous Blue-Gray Football Games.

Native American labor of proven qualifications available.

Near the population and geographic center of the Southeastern States.

Largest cattle market east of Fort Worth, Texas, and south of the Ohio River.

Friendly and cooperative attitude of existing industry, business and government.

Labor, power, markets, transportation and raw materials, all basic requirements for manufacturing success, are available in Montgomery, Alabama.

Transportation by six major milroads, eight bus lines, 18 truck lines, two air lines and located on eleven state and national trunk highways.

For full information contact Industrial Division, Chamber of Commerce, Box 79, Montgomery, Alabama.

Business and Government Working Together

CITY OF MONTGOMERY

MONTGOMERY COUNTY BOARD OF REVENUE

CHAMBER OF COMMERCE

Consolidated Western Plans Operations at New Pipe Mill

Consolidated Western Steel Corp., a subsidiary of United States Steel will begin production of large diameter pipe in a new mill at its Orange, Texas, plant about March 15. This unit and a new steel plate fabricating mill, already in partial operation, are major parts of the construction program begun following the purchase of the Orange war-time shippard from the Government last November.

The output of the new plate fabricating mill will be principally for the Gulf Coast's petroleum refinery and chemical

industries, towers, tanks, pressure vessels, heat exchangers, sugar vats and other oil and chemical refinery equipment.

Keel of Super Liner Laid at Newport News

The greatest merchant ship ever ordered for this country had her official beginning recently in the plant of the Newport News Shipbuilding and Drydock Company, Newport News, Virginia.

The liner, tentatively named the United States, is to be commissioned in

August, 1952, according to the contract, but the yard hopes to get her ready by April of that year, in time for the travel season. The ship is being built for the United States Lines and the Maritime Commission.

In a giant building basin, while a handful of yard officials and guests watched in a cold wind, a big crane slowly settled a fifty-five ton keel assembly on a long row of timbers. It was a strange ceremony, hardly worthy of the name. Conspicuously absent were the drama and fanfare to which the embryo superliner should be entitled. Not a single high official of the Maritime Commission was on hand and executives of the United States Lines stayed deliberately away. No invitations were issued, as would be normal for such an occasion. This ship is to be a prestige liner for the United States, the first it has had and the first in decades that will compete in the Atlantic with the British Queens for speed laurels.

Southern Pine Holds Convention In New Orleans

The 35th annual convention of the Southern Pine Association will be held in New Orleans, Louisiana April 17-18-19th, with headquarters at the Roosevelt Hotel

In addition to the three day meeting, the program is being extended through April 20. This will provide an opportunity for subscribers and their operating men to visit the comprehensive Machinery and Equipment exhibition at the Municipal Auditorium; participate in the Mechanical efficiency discussions and witness demonstrations of machinery and equipment on display.

Kentucky Standard Oil Had Record '49 Earnings

Net income of Standard Oil Co. (Kentucky) in 1949 topped any previous year in the firm's history, said W. G. Violette, president, in the annual report to stockholders.

Earnings were \$13,718,318, equal to \$5.27 a share of common stock, up from \$12.856,518, or \$4.94 a common share, in 1948

Two reasons were given by the company for the higher earnings last year compared with 1948. Net earnings in 1949 were increased by about \$548,000 because of the effect of use of the last-in, first-out method of inventory valuation. The company also received a non-recurring dividend amounting to \$603,000 after taxes.

Sales of the company, which markets petroleum and allied products in Alabama, Florida, Georgia, Kentucky and Mississippi, were \$192,412,372 last year, a little lower than in 1948, but were about \$37 million higher than in 1947.



HOW TO SQUEEZE DOLLARS instead of your business



Squeezing a growing business into small space is a decided handicap. But you can get needed room quickly and at surprisingly low cost with Armeo Steel Buildings.

For large structures, specify Armco Pioneer Buildings. They are tailored to your needs, in widths from 30- to 100-foot clear span, heights to 24 feet, and unlimited lengths. A trained Armco crew quickly erects a PIONEER Building on your foundation. The sturdy steel framework and corrugated metal sheeting and roofing make a structure that is strong, weathertight, and fire-resistant.

Armco Steelox Buildings provide attractive, economical structures in widths up to 36 feet. Unique STEELOX panels enable a small crew to put up the building in a few hours. Labor costs are low.

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SOUTHWESTERN DIVISION

Atlanta, Georgia

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RICH in the traditions of the OLD South,

* We raise cotton, magnolias, camellias, and the finest beef and dairy cattle

BLESSED with the energy of the NEW South,

* We now manufacture lawnmowers, furniture, cigars, tricycles, cotton garments, baseball bats, and thirty-seven (37) other items.

HAT in general is SELMA, in the west central section of Alabama.

Specifically, SELMA is a trading and manufacturing city, accessible to Southern and National markets via three railroads and paved highways radiating to other important centers.

SELMA is a community of gentle folk—a nice place to live—modern, clean, progressive—and a mild climate the year 'round.

Industries locating in SELMA the past few years are well pleased with their decision. Relations with employees are pleasant.

Write or visit us for detailed facts about SELMA—a city in which you, too, will enjoy living and doing business. All correspondence will be in confidence. No publicity will be given your inquiry without your permission.

SELMA-DALLAS COUNTY CHAMBER OF COMMERCE

SELMA, ALABAMA
SELMA CITY COUNCIL
DALLAS COUNTY BOARD OF REVENUE

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FINANCIAL NOTES

E. A. Yates, president of the Southern Company, Atlanta, Ga., made the arnouncement that the Board of Directors at its meeting in Atlanta recently declared a dividend of 20 cents per share on the common stock of the company, payable on March 6th to holders of record of February 6th.

Youngstown Sheet and Tube Company of Youngstown, Ohio released its annual report showing a net income of \$31,777,010 last year compared with \$35,711,732 for 1948. Net sales and other revenues last year amounted to \$338,343,975.

The 1949 annual report of Hercules Powder Company of Wilmington, Del., for the year ended December 31, issued to stockholders recently, showed net income after all charges of \$9,951,960, After payment of \$437,440 dividends on preferred stock, net income applicable to the common stock was equal to \$3.60 a share on 2,645,224 sares of common stock, the average number of shares outstanding.

At a meeting of the Board of Directors of Robert Gair Company, Inc., New York. N. Y., held recently, full cumulative dividends for the year 1950 were declared upon the preferred stock of the par value of \$20.00 per share of the company, payable quarterly, thirty cents per share or

March 10, June 10, September 11 and December 20, respectively, to stockholders of record at the close of business on February 20, May 19, August 21, and December 1, respectively, without the closing of the transfer books.

Net sales of International Minerals & Chemical Corp., Chicago, Illinois, for the six months ended December 31, 1949, representing the first half of its fiscal year, were \$20,141,879 compared with \$20,146,566 for the corresponding period of the previous year. Net earnings for the same six months period ended December 31, 1949 were \$1,212,224 compared with \$1,646,192 for the previous corresponding period.

Delta Air Lines of Atlanta, Georgia reported recently an operating profit of \$706,867 and a net profit, after taxes, of \$450,967 for the calendar year 1949.

Each month showed a net profit during the entire year, with March leading with a net profit of \$99,560, according to C. E. Woolman, president and general manager.

Sales of Koppers Company, Inc., Pittsburgh, Pa., during 1949 amounted to \$191.386.841, the company revealed recently with publication of its annual report to stockholders.

Additional income from other sources brought total receipts for the year to \$192,314,685. The net earnings, after provision for income taxes, were \$7,111.997 which, after provision for payment of preferred dividends, was equivalent to \$4.03 per share on the 1,617,125 shares of common stock outstanding.

Operations of the Goodyear Tire & Rubber Company of Akron, Ohio in 1949 resulted in consolidated net sales of \$633,595,978 and consolidated net income of \$20,230,520, equivalent to \$8.40 per share of common stock outstanding, P. W. Litchfield, chairman of the Board announced recently.

Last year's sales were approximately 10 per cent below those of 1948 which set a peacetime record of \$704.875.941. Comparable net income for 1948 was \$24.095.518, equivalent to \$10.25 per common share. Income per dollar of sales declined from 3.4 cents in 1948 to 3.2 cents last year.

The board of directors of Hewitt-Robins, Inc., New York, N. Y., recently declared the regular quarterly dividend of 25 cents a share on the common stock, payable March 15, 1950, to stockholders of record February 17, 1950.

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Complete assemblies or special parts. Specializing in High Grade Gray Iron Castings and Steel Stampings.

Complete Die and Pattern Shops in charge of highly skilled engineers.

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MARTIN STOVE AND RANGE COMPANY Florence, Alabama

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Representative:

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OFFERS outstanding advantages for the manufacture of ALUMINUM PRODUCTS of all types, with Reynolds Metals huge aluminum plant as a source of supply.

For the production of CALCIUM CARBIDE, limestone and cheap power are available, with coke supplied by nearby Birmingham ovens.

Write for details as to power costs, water supply, labor conditions, transportation, taxes and market data.

Surveys available on men's shirts, automobile parts and hardwood products.



CITY POWER AND WATER DEPARTMENT

Southern Co. Plans to Move Headquarters in Atlanta

The Southern Company, a new holding firm which controls approximately 3468,-000,000 worth of Southern electric power facilities, has formally announced its intention to move its headquarters to Atlanta.

The company filed a petition in Fulton Superior court applying for domestication as a Georgia concern. The company is incorporated in Wilmington, Delaware. It controls the Georgia, Mississippi, Alabama and Gulf power companies.

The petition set forth that the company, at a meeting of stockholders July 22, 1949, voted to domesticate on condition that a court ruling be obtained to the effect that the stock of the out of state subsidiary companies would not be taxable in Georgia. The company filed a petition for declaratory judgment last year asking that the company, if domesticated here, would be exempt from all ad valorem intangible taxes upon the common voting stock of the out of state subsidiary companies. The new company, under the domestication laws, will enjoy the same rights and privileges as Georgia corporations.

Bullock Publishes Booklet Answering Foundry Questions

W. J. Bullock, Inc., Birmingham, Ala., operators of the only non-ferrous refinery

in the Southeast, producing brass, bronze and aluminum ingot, also slab zinc have recently published an attractive booklet titled "Foundrymen's Quiz." The book is chocked full of pertinent questions and answers to many foundry problems, such as: Can sound brass castings be obtained if cast in frozen sand? Can you tell us the analysis of No. 212 aluminum alloy? What type of pyrometer should I use in my brass foundry and what pouring temperatures do you suggest for the alloys I pour most often? All answers are clearly explained in detail.

Tabulations list and define twenty-two defects which may occur from time to time in brass and bronze castings. Opposite the defect and definition are shown the probable causes of these defects. They are arranged under ten different headings according to the specific factors involved. This chart is presented as a guide to the analysis of foundry defects, and should assist the foundryman in correcting casting defects.

Seaboard's Forestry Work Praised in Article

How the Seaboard Air Line Railway pioneered for good forestry along the 4,-150 miles of lines in six southeastern states—Virginia, North and South Carolina, George, Florida and Alabama—stamps this carrier as a catalytic agent for sound conservation that serves as an example for railroads everywhere accord-

ing to an article, "A Railroad Crusades For Forestry," by James B. Craig in the February issue of American Forests, the magazine of The American Forestry Association.

Seaboard, of course, is not alone among railroads in this concern over the future of forest lands, the article points out. An increasing number, with mounting interest in forest tonnage, their own wood requirements and community and regional stability and growth are employing foresters in varying capacities to further over-all progress in conservation. But Seaboard took the lead in establishing a forestry division back in the mid-thirties and has been in the forefront ever since, mainly in educational and extension work at the landowner level.

There was much to be done in these southeastern states back in the thirties as well as today, the article states. With the major shift of wood-using industries to this new land of promise—an area of over 100 million acres possessing the greatest forest potential in the nation-the heavy use of pulp and timber quickly created many new problems. Back in 1933, for example, the entire South required a daily production of a mere 3,000 tons of pulpwood. Now, with great suddenness, there were fifty busy mills that last year required upwards of ten million cords of wood-or more than enough cordwood, if placed end to end to reach to Tokyo and back. And on the hardwood side of the picture thousands of little sawmills (there are 5,000 in Virginia alone) were turning out more and more lumber to meet the new demand.

Turpentine Farmers Assn. Making Stocks Available

With the approval of the Commodity Credit Corporation, the American Turpentine Farmers Association of Valdosta, Georgia, is making available to the trade a quantity of stocks of Gum Turpentine and Rosin

The stocks are now in a "producers pool" or that upon which the Association holds redemption powers-of-attorney from many of its members who pledged their production into the 1949 CCC Loan which expired on December 1st.

The stocks, both Gum Turpentine and Rosin, are located at port and interior points in Georgia, Florida and Alabama.



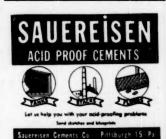
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MORETTI-HARRAH MARBLE COMPANY

Quarriers and Manufacturers of America's Most beautiful White Marble

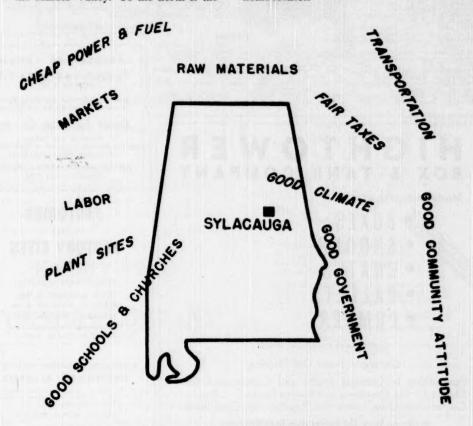
SYLACAUGA.

ALABAMA



SYLACAUGA, ALABAMA

is a fast growing City located slightly east of the center of the State in the southeastern corner of Talladega County. Sylacauga is 40 miles southeast of Birmingham, Alabama's Iron and Steel center; 54 miles north of Montgomery, the capital of Alabama. This district is known locally as the Marble Valley. To the north is the Limestone Valley, to the south, the Piedmont Plateau. The foothills of the Blue Ridge Mountains are northeast of the city. This area is known as the Great Coosa Valley; the Coosa River being 6 miles west of the city. This area offers wonderful opportunities for new industries and a clean and healthy environment for home seekers.



The City owns its water works, electrical distribution system, gas system, and sewerage system.

THE SINGING CITY WELCOMES INDUSTRIES AND HOME SEEKERS

FOR INFORMATION WRITE TO

CITY OF SYLACAUGA, ALABAMA

New Plants

(Continued from page 16)

HOUSTON — Southwest Bell Telephone
Co., exchange telephone building, \$2,355,660.
HOUSTON — Southwestern Bell Telephone
Co. Maddison exchange building, \$2,355,660.
HOUSTON — Southwestern Theatre Equipment
Co., 1416, Man.
Houston — Southwestern Theatre Equipment
Description of the Control of the Control
HOUSTON — Southwest Saw Service, 3019
Broadway Blyd. 3 warehouses,
HOUSTON — Standard Rooding Co., 4910
Navigation Bivd., one-story warehouse,
HOUSTON—The Texas Co., service station,
319,910.

HOUSTON—The Texas Co., service station, 319,310.
HOUSTON — Damon Wells Co., 2107 McKinney Ave., warehouse, \$50,600.
LAREIS — Central Ivower & Light Co., 220 McLAREIS — Central Ivower & Light Co., 220 McLAREIS — Co., 2415 McLareis — St., power plant.
Lareis — St., power plant.
Lareis — St., power plant.
Lareis — Miles Hall Bulck Co., onestory sales and service building.
MIDLAND — Southwestern Bell Telephone
Co., telephone building.
MULESHOE — Bailey County Electric
Cooperative Assoc., headquarters facilities,
\$165,000.

Copperative Assoc., headquarters facilities, 5165,009.

PASADENA — Chipman Chemicai Co., three chemical plant buildings.

RICHARDON — Southwestern Bell Telephone Co., dial building.

ROBSTOWN — Robstown Farmers' Storage Corp., grain storage silo, \$250,000.

SAN ANTONIO — William Cameron & Co., S Crosby St., warehouse, office and shop

SAN ANTONIO — William Cameron & Co., 128 Crosby St., warehouse, office and shop building St., warehouse, office and shop building St., warehouse, office and shop san ANTONIO — Sen Mindes, c/o Randoiph Field Transportation Co., 201 N. Alaino St., bus garage, \$20,999.

SAN ANTONIO — Sinciair Refining Co., 1205 S. Laredo St., service station.

SAN ANTONIO — Scobey Fireproof Storage Co., first storage unit of the new zone, one-story building, \$152,721.

SAN ANTONIO — Thad Ziegler Glass Co., 448 Main Ave., alterations and additions to building, \$20,987.

SAN AUGUSTINE — Deep East Texas Electric Cooperative headquarters facilities, \$370,000.

\$70,000

TEXARRANA — Borden Co., remodeling for cream plant, \$22,625

TYLES — Tyler Machinery & Supply Co., warehouse and office building, \$24,662

VICTORIA — L. V. Vanderberge, business building, 110 W Porrest St., \$22,28.

WACO — Waco Transit Co., alterations to building, \$19,760.

GORE — Shenandoah Silica Co., Inc., rebuilding burned plant.

HARRISONBURG — J. S. Denton & Sons,
30 S. Liberty St., warehouse.

WEST VIRGINIA

WEIRTON — Weirton Steel Co., battery of coke ovens, and alterations and extensions on the by-product and benzol plants.

Railway Development Assn. Convention at High Point

The Railway Development Association of Southeast recently announced that their annual convention will be held at High Point, North Carolina on March 30 and 31. Hotel Sheraton is their headquarters.

VIRGINIA

BLAND — Hosiery Mills, Inc., addition, doubling floor space: present building to be filled with new and modern knitting ma-

ines.
CHABLOTTESVILLE — Albemarle Farmrs, Inc., garage bldg., \$63,372.
DANVILLE — Atlantic Greyhound Corp.,

bus terminal.
FRONT BOYAL — Weaver's Inc., alterations and additions.

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 Ample supply of trained labor already housed.
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 On 3 main line railroads. 7 main highways. Near water route to Guif.

- POWER
 Ample reliable low cost electric energy.
- Abundant coal. Main line natural gas and oil.
- ADURDANC COAL, MAIN line natural gas and on.

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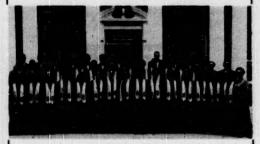
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Indeed, this plant is but one of 787 new or expanded industries, large and small, which have been attracted to the area served directly by the Central.

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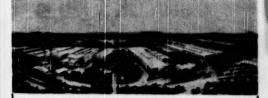
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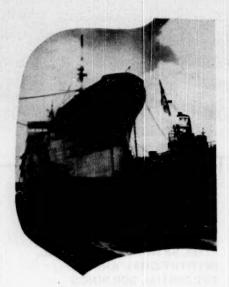
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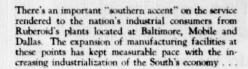
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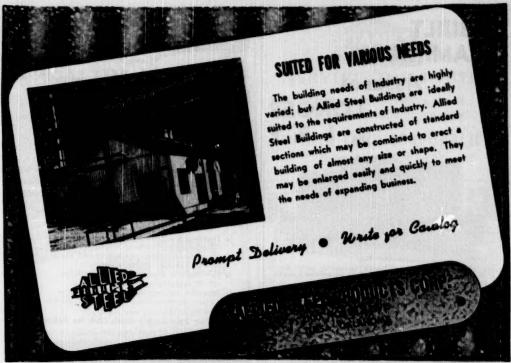
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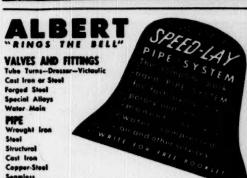
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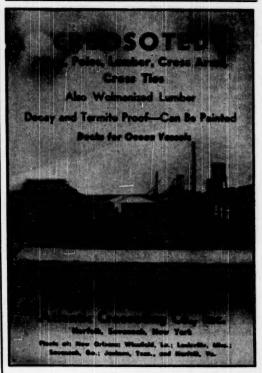


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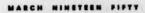
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Blag.	Previous Use	Size	Floor Space
51	Acetylene Generating	32°x43°	1.376
203	Service Building	62'x109'	16.095
109	Paint Shop	52 x 206	23,922
113	Cafeteria	68 x98	8,861
144	Blue Print Shop	36 x 38	2,448
	(Continued in next	column)	

147	Administration	40'x264'	33,260
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Hlag.		Size	Floor
100	Public Works Shop	50'x281'	14,105
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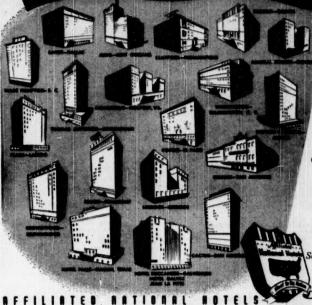
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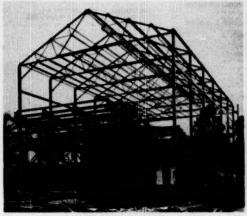
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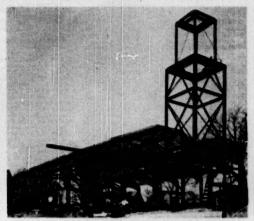
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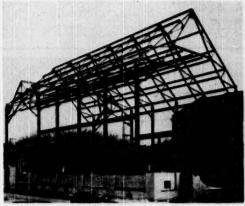
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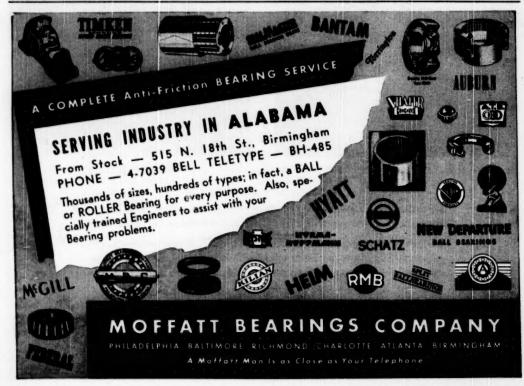
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